



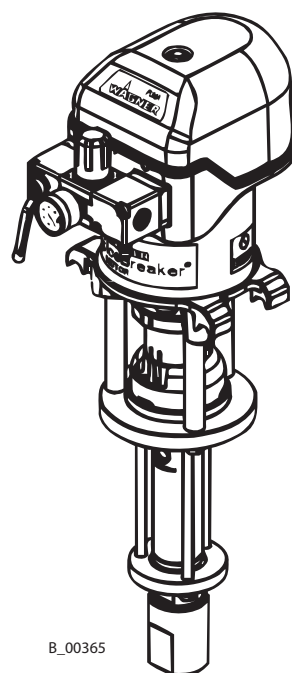
Translation of the original Operating manual

Wildcat	Puma
10-70	28-40
18-40	15-70
Leopard	21-110
35-70	15-150
35-150	Jaguar
48-110	75-150

Edition 05/2011

IceBreaker Piston pumps

Volume 40 ccm–150 ccm



B_00365



II 2G IIB c T3 X

Contents

1	ABOUT THESE INSTRUCTIONS	5
1.1	Languages	5
1.2	Warnings, notes and symbols in these instructions	5
2	GENERAL SAFETY INSTRUCTIONS	6
2.1	Safety instructions for the operator	6
2.1.1	Electrical equipment	6
2.1.2	Personnel qualifications	6
2.1.3	A safe work environment	6
2.2	Safety instructions for staff	6
2.2.1	Safe handling of WAGNER spray units	7
2.2.2	Earth the unit	7
2.2.3	Paint hoses	7
2.2.4	Cleaning	8
2.2.5	Handling hazardous liquids, varnishes and paints	8
2.2.6	Touching hot surfaces	8
2.3	Correct use	8
2.4	Use in an explosion hazard area	9
2.4.1	Correct use	9
2.4.2	Explosion protection identification	9
2.4.3	Identification mark X	9
3	GUARANTEE AND CONFORMITY DECLARATIONS	11
3.1	Important notes on product liability	11
3.2	Guarantee claim	11
3.3	CE-Declaration of Conformity	12
3.4	German regulations and guidelines	12
4	DESCRIPTION	13
4.1	Fields of application	13
4.1.1	Using in accordance with the instructions	13
4.1.2	Processable materials	13
4.1.3	Typical applications	14
4.2	Extent of delivery	14
4.3	Data	15
4.3.1	Materials of the parts transporting paint	15
4.3.2	Recommended V-packings	15
4.3.3	Technical data	16
4.3.3.1	Technical data for Wildcat and Puma	16
4.3.3.2	Measurements and connections for Wildcat and Puma	17
4.3.3.3	Technical data for Leopard and Jaguar	18
4.3.3.4	Measurements and connections for Leopard and Jaguar	19
4.3.4	Flow volume	20
4.3.5	Performance diagrams	20
4.4	Function	26
4.4.1	Pump	26
4.4.2	Pressure regulator	27

Contents

4.4.3	High-pressure filter (Option)	28
4.4.3.1	Standard HP filter (Option)	28
4.4.3.2	Filter-relief combination (Option)	28
5	STARTING UP AND OPERATING	29
5.1	Installation and connection	29
5.1.1	Earthing	30
5.2	Start up	32
5.2.1	Safety instructions	32
5.2.2	Filling separating fluid	33
5.2.3	Basic cleaning	34
5.2.4	Filling with working material	34
5.3	Work	35
5.3.1	Spraying	35
5.3.2	Breaks in work	35
5.3.3	Dismantling and cleaning	36
5.4	Storing for longer periods of time	36
6	FAULT LOCATION, MAINTENANCE AND REPAIR	37
6.1	Trouble shooting and solution	37
6.2	Maintenance	38
7	ACCESSORIES	39
7.1	Accessories for Wildcat and Puma Pumps	39
7.2	Accessories for Leopard and Jaguar Pumps	46
8	SPARE PARTS	52
8.1	How to order spare parts?	52
8.2	Overview Modules	53
8.3	Air motors	57
8.3.1	Air motors Wildcat, Puma, Leopard	57
8.3.2	Regulator for air motors Wildcat, Puma and Leopard	61
8.3.3	Air motor Jaguar	62
8.3.4	Regulator for Jaguar	66
8.4	Material pump	67
8.4.1	Material pump 40 cm ³	67
8.4.2	Material pumps 70 cm ³	70
8.4.3	Material pump 110 cm ³	73
8.4.4	Material pumps 150 cm ³	76
8.5	Filter-relief combination	79
8.6	High-pressure filter	80
8.7	Carriage	82
8.8	„Heavy Duty“ carriage	83
8.9	Lifting trolley pneumatic	84
8.10	Lifting trolley	87
8.11	Wall lifting gear pneumatic	89
8.12	Wall lifting gear	92

1 ABOUT THESE INSTRUCTIONS

This operating manual contains information about the operation, repair and maintenance of the unit.

→ Always follow these instructions when operating the unit.

1.1 LANGUAGES

The operating manual is available in the following languages:

Language:	Part No.	Language:	Part No.	Language:	Part No.
German	367850	English	367851	French	367852
Dutch	367853	Italian	367854	Spanish	367855
Danish	367857	Swedish	367856	Turkish	367858
Portuguese	367859	Polish	367864	Greek	2309490

The corresponding service instructions are available under the following order number:


Language:	Part No.	Language:	Part No.
German	367865	English	367866

1.2 WARNINGS, NOTES AND SYMBOLS IN THESE INSTRUCTIONS


Warning instructions in this manual point out particular dangers to users and equipment and state measures for avoiding the hazard.

These warning instructions fall into the following categories:


Danger - imminent danger. Non-observance will result in death, serious injury and serious material damage.

	<p style="text-align: center;">⚠ DANGER</p> <p>This line warns of the hazard! Possible consequences of failing to observe the warning instructions. The signal word points out the hazard level.</p> <p>→ The measures for preventing the hazard and its consequences.</p>
SIHI_0100_GB	

Warning - possible danger. Non-observance can result in death, serious injury and serious material damage.

	<p style="text-align: center;">⚠ WARNING</p> <p>This line warns of the hazard! Possible consequences of failing to observe the warning instructions. The signal word points out the hazard level.</p> <p>→ The measures for preventing the hazard and its consequences.</p>
SIHI_0103_GB	

Caution - a possibly hazardous situation. Non-observance can result in minor injury.

	<p style="text-align: center;">⚠ CAUTION</p> <p>This line warns of the hazard! Possible consequences of failing to observe the warning instructions. The signal word points out the hazard level.</p> <p>→ The measures for preventing the hazard and its consequences.</p>
SIHI_0101_GB	

Caution - a possibly hazardous situation. Non-observance can cause material damage.

SIHI_0102_GB	<p style="text-align: center;">CAUTION</p>
	<p>This line warns of the hazard! Possible consequences of failing to observe the warning instructions. The signal word points out the hazard level.</p> <p>→ The measures for preventing the hazard and its consequences.</p>

Note - provide information on particular characteristics and how to proceed.

2 GENERAL SAFETY INSTRUCTIONS

2.1 SAFETY INSTRUCTIONS FOR THE OPERATOR

- Keep these operating instructions to hand near the unit at all times.
- Always follow local regulations concerning occupational safety and accident prevention.



2.1.1 ELECTRICAL EQUIPMENT

Electrical plant and unit

- To be provided in accordance with the local safety requirements with regard to the operating mode and ambient influences.
- May only be maintained by skilled electricians or under their supervision.
- Must be operated in accordance with the safety regulations and electrotechnical regulations.
- Must be repaired immediately in the event of problems.
- Must be put out of operation if they pose a hazard.
- Must be de-energized before work is commenced on active parts. Inform staff about planned work, observe electrical safety regulations.

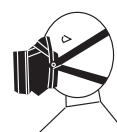


2.1.2 PERSONNEL QUALIFICATIONS

- Ensure that the unit is operated and repaired only by trained persons.

2.1.3 A SAFE WORK ENVIRONMENT

- Ensure that the floor of the working area is derivable in accordance with EN 50053 Part 1, §7-2, measurement in accordance with DIN 51953.
- Ensure that all persons within the working area wear derivable shoes.
- Ensure that during spraying, persons wear anti-static gloves so that they are earthed via the handle of the spray gun.
- Customer to provide paint mist extraction systems conforming to local regulations.
- Ensure that the following components of a safe working environment are available:
 - Material/air hoses adapted to the working pressure
 - Personal safety equipment (breathing and skin protection)
- Ensure that there are no ignition sources such as naked flame, glowing wires or hot surfaces in the vicinity. Do not smoke.



2.2 SAFETY INSTRUCTIONS FOR STAFF

- Always follow the information in these instructions, particularly the general safety instructions and the warning instructions.
- Always follow local regulations concerning occupational safety and accident prevention.



2.2.1 SAFE HANDLING OF WAGNER SPRAY UNITS

The spray jet is under pressure and can cause dangerous injuries.

Avoid injection of paint or cleaning agents:

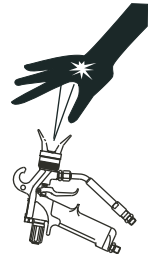
- Never point the spray gun at people.
- Never reach into the spray jet.
- Before all work on the unit, in the event of work interruptions and functional faults:
 - Switch off the energy/compressed air supply.
 - Secure the spray gun against actuation.
 - Relieve the pressure from the spray gun and unit.
 - By functional faults: Identify and correct the problem, proceed as described in chapter „Trouble shooting“.

In the event of skin injuries caused by paint or cleaning agents:

- Note down the paint or cleaning agent that you have been using.
- Consult a doctor immediately.

Avoid danger of injury through recoil forces:

- Ensure that you have a firm footing when operating the spray gun.
- Only hold the spray gun briefly in any one position.



2.2.2 EARTH THE UNIT

Depending on the electrostatic charge and the flow speed of the spray, an electrostatic charge may occur in the equipment. This could cause a spark or flame on discharging.

- Ensure that the unit is earthed for every spraying operation.
- Earth the work pieces being painted.
- Ensure that all persons inside the working area are earthed, e.g. that they are wearing derivable shoes.
- When spraying, wear derivable gloves to earth yourself via the spray gun handle.



2.2.3 PAINT HOSES

- Ensure that the hose material is chemically resistant to the sprayed materials.
- Ensure that the material hose is suitable for the pressure generated in the unit.
- Ensure that the following information is visible on the high pressure hose:
 - Manufacturer
 - Permissible operating overpressure
 - Date of manufacture.
- The electrical resistance of the complete high pressure hose must be less than 1 MOhm.



2.2.4 CLEANING

- De-energize the unit electrically.
- Disconnect the pneumatic supply line.
- Relieve the pressure from the unit.
- Ensure that the flash point of the cleaning agent is at least 5 K above the ambient temperature.
- To clean, use only solvent-free cloths and brushes. Never use hard objects or spray on cleaning agents with a gun.

An explosive gas/air mixture forms in closed containers.

- When cleaning units with solvents, never spray into a closed container.
- Earth the container.



2.2.5 HANDLING HAZARDOUS LIQUIDS, VARNISHES AND PAINTS

- When preparing or working with paint and when cleaning the unit, follow the working instructions of the manufacturer of the paints, solvents and cleaning agents being used.
- Take the specified protective measures, in particular wear safety goggles, protective clothing and gloves, as well as hand protection cream if necessary.
- Use a mask or breathing apparatus if necessary.
- For sufficient health and environmental safety: Operate the unit in a spray booth or on a spraying wall with the ventilation (extraction) switched on.
- Wear suitable protective clothing when working with hot materials.



2.2.6 TOUCHING HOT SURFACES

- Touch hot surfaces only if you are wearing protective gloves.
- When operating the unit with a coating material with a temperature of > 43 °C; 109.4 °F:
 - Identify the unit with a warning label that says „Warning - hot surface“.



Order No.

9998910 Information label

9998911 Safety label

2.3 CORRECT USE

WAGNER accepts no liability for any damage arising from incorrect use.

- Use the unit only to work with the materials recommended by WAGNER.
- Operate the unit only as an entire unit.
- Do not deactivate safety equipment.
- Use only WAGNER original spare parts and accessories.



2.4 USE IN AN EXPLOSION HAZARD AREA

2.4.1 CORRECT USE

The unit is suitable for working liquid materials in accordance with the classification into explosion classes.

2.4.2 EXPLOSION PROTECTION IDENTIFICATION

As defined in the Directive 94/9/EC (ATEX 95), the unit is suitable for use in areas where there is an explosion hazard.



II 2G IIB c T3 X

- CE: Communautés Européennes
- Ex: Symbol for explosion protection
- II: Unit class II
- 2: Category 2 (Zone 1)
- G: Ex-atmosphere gas
- IIB: Explosion group
- c: Constructional security
- T3: Temperature class: maximum surface temperature < 200 °C; 392 °F.
- X: Special Notes (see chapter 2.4.3)



2.4.3 IDENTIFICATION MARK X

Maximum surface temperature

The maximum surface temperature of the piston pump can be reached if it runs dry.

- Ensure that the piston pump is filled with sufficient working or cleaning medium.
- Ensure that the separating fluid container is filled with sufficient separating fluid.

Ignition temperature of the coating material

- Ensure that the ignition temperature of the coating material is above the maximum surface temperature.

Ambient temperature

- The permissible ambient temperature is +5 °C to +60 °C; +41 °C to 140 °F

Medium supporting atomizing

- To atomize the material, use only weakly oxidizing gases, e.g. air.

Mechanical sparks can form if the unit comes into contact with metal

In an explosive atmosphere:

- Do not knock or push the unit against steel or rusty iron.
- Do not drop the unit.
- Use only tools that are made of a permitted material.

Surface spraying, electrostatic

→ Do not spray unit parts with electrostatic (e.g. electrostatic spray gun).

**Cleaning**

If there are deposits on the surfaces, the unit may form electrostatic charges. Flames or sparks can form if there is a discharge.

→ Remove deposits from the surfaces to maintain conductivity.

→ Use only a damp cloth to clean the unit.



3 GUARANTEE AND CONFORMITY DECLARATIONS

3.1 IMPORTANT NOTES ON PRODUCT LIABILITY

As a result of an EC regulation, effective as from January 1, 1990, the manufacturer shall only be liable for his product if all parts come from him or are approved by him, and if the devices are properly fitted, operated and maintained.

If other makes of accessory and spare parts are used, the manufacturer's liability could be fully or partially null and void.

The usage of original WAGNER accessories and spare parts guarantees that all safety regulations are observed.

3.2 GUARANTEE CLAIM

Full guarantee is provided for this device:

We will at our discretion repair or replace free of charge all parts which within 36 months in single-shift, 18 months in 2-shift or 9 months in 3-shift operation from date of receipt by the Purchaser are found to be wholly or substantially unusable due to causes prior to the sale, in particular faulty design, defective materials or poor workmanship.

The type of guarantee provided is such that the device or individual components of the device are either replaced or repaired as we think fit. The resulting costs, in particular shipping charges, road tolls, labour and material costs will be borne by us except where these costs are increased due to the subsequent shipment of the unit to a location other than the address of the purchaser.

We do not provide guarantee for damage that has been caused or contributed to for the following reasons:

Unsuitable or improper use, faulty installation or commissioning by the purchaser or a third party, normal wear, negligent handling, defective maintenance, unsuitable coating products, substitute materials and the action of chemical, electro chemical or electrical agents, except when the damage is attributable to us.

Abrasive coating products such as red lead, emulsions, glazes, liquid abrasives, zinc dust paints and similar reduce the service life of valves, packings, spray guns, nozzles, cylinders, pistons etc. Signs of wear and tear due to such causes are not covered by this guarantee. Components that have not been manufactured by WAGNER are subject to the original guarantee of the manufacturer.

Replacement of a component does not extend the period of guarantee of the device.

The unit should be inspected immediately upon receipt. To avoid losing the guarantee, we or the supplier company are to be informed in writing about obvious faults within 14 days upon receipt of the device.

We reserve the right to have the guarantee compliance met by a contracting company.

The services provided by this guarantee depend on evidence being provided in the form of an invoice or delivery note. If an examination discovers that no guarantee claim exists, the costs of repairs are charged to the purchaser.

It is clearly stipulated that this guarantee claim does not represent any constraint to statutory regulations or regulations agreed contractually in our general terms and conditions.

J. Wagner AG

3.3 CE-DECLARATION OF CONFORMITY

Herewith we declare that the supplied version of
Pneumatic pumps and Spray packs.

Wildcat	Puma	Leopard	Jaguar
10-70	28-40	35-70	75-150
18-40	15-70	35-150	
	21-110	48-110	
	15-150		

Complies with the following guidelines:

2006/42/EG	94/9/EG Atex directives
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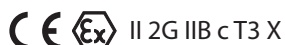
Applied standards, in particular:

DIN EN ISO 12100-1:2004	DIN EN 809:2011	DIN EN 12621/A1:2010
DIN EN ISO 12100-1/A1:2009	DIN EN 14462:2005	DIN EN 13463-1:2009
DIN EN ISO 12100-2:2004	DIN EN ISO 14121-1:2007	DIN EN 13463-5:2004
DIN EN ISO 12100-2/A1:2009	DIN EN 1127-1:2008	
DIN EN ISO 13732-1:2008	DIN EN 12621:2006	

Applied national technical standards and specifications, in particular:

BGR 500 Part 2 chap. 2.29 and chap. 2.36	BGR 104	TRBS 2153
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Marking:



CE Certificate of Conformity

The certificate is enclosed with this product. The certificate of conformity can be reordered from your WAGNER representative, quoting the product and serial number.

Part number:

Pumps 2302304

3.4 GERMAN REGULATIONS AND GUIDELINES

- a) BGR 500 Part 2, Chap. 2.36 Working with liquid ejection devices
- b) BGR 500 Part 2, Chap. 2.29 Using coating materials
- c) BGR 104 Explosion protection rules
- d) TRBS 2153 Avoiding ignition risks
- e) BGR 180 Setting up for cleaning with solvents for cleaning workpieces with solvents
- f) ZH 1/406 Guidelines for liquid ejection devices
- g) BGI 740 Painting rooms and equipment
- h) Betr.Sich.V. Plant Safety Ordinance

Note: All titles can be ordered from Heymanns Publishing House in Cologne, or they are to be found in the Internet.

4 DESCRIPTION

4.1 FIELDS OF APPLICATION

4.1.1 USING IN ACCORDANCE WITH THE INSTRUCTIONS

The pneumatic piston pump is suitable for process liquid materials according chapter 4.1.2.

4.1.2 PROCESSABLE MATERIALS

Application	WILDCAT 18-40 10-70	PUMA 28-40	PUMA 28-40 ESS	PUMA 15-70 21-110 15-150	LEOPARD 35-70	LEOPARD 35-150 48-110	JAGUAR 75-150
Water based lacquers and paints	↗	↗	↗	↗	↗	↗	↗
Solvent based lacquers and paints	↗	↗	↗	↗	↗	↗	↗
Primers	⇒	⇒	⇒	⇒	↗	↗	↗
Epoxy and polyurethane paints and lacquers	⇒	↗	↗	⇒	↗	↗	↗
Synthetic materials	↘	⇒	⇒	↘	↗	↗	↗
Wax based under seal	↘	↘	↘	↘	↗	↗	↗
Chemically aggressive media that attack HM seats	↘	↘	↗	↘	↘	↘	↘

Legend:

Recommended ↗ limited suitability ⇒ less suitable ↘

CAUTION

Abrasive materials and pigments!

Greater wear of the parts carrying the material

→ Use suitable combinations of devices (packages, valves etc.).

4.1.3 TYPICAL APPLICATIONS

Application	WILDCAT 18-40 10-70	PUMA 28-40	PUMA 28-40 ESS	PUMA 15-70 21-110 15-150	LEOPARD 35-70	LEOPARD 35-150 48-110	JAGUAR 75-150
Furniture industry	↗	↗	↗	↗	↗	↗	↘
Kitchen manufacturers	↗	↗	↗	↗	↗	↗	↘
Joinery	↗	↗	↗	↗	⇒	↘	↘
Window factories	⇒	⇒	⇒	↗	↗	↗	↘
Steel fabrication	↘	⇒	⇒	↘	↗	↗	↗
Construction of vehicles	↗	↗	↗	↗	↗	⇒	⇒
Offshore	↘	↘	↘	↘	⇒	⇒	↗

Legend:

Recommended ↗ limited suitability ⇒ less suitable ↘

4.2 EXTENT OF DELIVERY

Pneumatic piston pump

Consisting of:

- Material pump
- Air motor
- Connection elements
- Air regulator for air motor.

To the scope of delivery belong also:

Separating fluid 250 ml; 250 cc

CE-conformity see

Operating manual German

Operating manual for the other language see

Part-No.: 9992504

Chapter 3

Part-No.: 367850

Chapter 1

The delivery note shows the exact scope of delivery. Accessories see chapter 7.

4.3 DATA

4.3.1 MATERIALS OF THE PARTS TRANSPORTING PAINT

Housing	Stainless steel
Piston	Stainless steel and hard chrome
Valve balls	Stainless steel
Valves seats	Hard metal (except Type ESS -> Stainless steel)
O-rings	Teflon
V-packings	Standard PE/ TG

PE = Polyethylen UHMW

TG = Teflon (PTFE) with graphite

4.3.2 RECOMMENDED V-PACKINGS

Wagner V-packings are manufactured in four different materials:

Code	Material	Colour
L	Leather	dark brown
TG	Teflon with graphite	black
PE	Polyethylen UHMW	transparent
T	Teflon	white

Each material has the following properties, which influence the packings:

	L	TG	PE	T
Mechanical stability	poor	good	good	poor
Coefficient of friction	poor	very good	good	very good
Sealing capacity	good*	good	good	good
Chemical resistance or reactivity	poor	good	very good	very good
Temperature stability	good	poor - good	very good	very good

* for abrasive materials

Standard combinations

Standard pneumatic pumps	PE/TG
Heavy duty (HD) pumps	PE/L
Hardener pump in 2C-Systems	PE/T

4.3.3 TECHNICAL DATA**4.3.3.1 TECHNICAL DATA FOR WILDCAT AND PUMA**

Description	Units	WILDCAT 10-70	WILDCAT 18-40	PUMA 28-40	PUMA 15-70	PUMA 21-110	PUMA 15-150
Transmission ratio		10:1	18:1	28:1	15:1	21:1	15:1
Flow volume per double stroke (DS)	cm ³ ; cc	70	40	40	70	110	150
Maxi. operating pressure	MPa bar psi	8 80 1160	14.4 144 2089	22.4 224 3249	12 120 1740	16.8 168 2436	12 120 1740
Maxi. possible strokes in operation	DS/min	60	60	60	60	60	60
Min. - Maxi. air inlet pressure	MPa bar psi	0.25-0.8 2.5-8 36-116	0.25-0.8 2.5-8 36-116	0.25-0.8 2.5-8 36-116	0.25-0.8 2.5-8 36-116	0.25-0.8 2.5-8 36-116	0.25-0.8 2.5-8 36-116
Ø Air inlet connection (female)	Zoll; Inch	G 1/2"					
Min. Ø compressed air hose	mm; Inch	9; 0.35					
Air consumption at 0.6 MPa; 6 bar; 87 psi per DS	nl scf	5.3 0.19	5.3 0.19	8.3 0.29	8.3 0.29	16.5 0.58	16.5 0.58
Sound pressure level at maxi. permissible air pressure*	dB(A)	77	77	78	77	78	78
Sound pressure level at 0.6 MPa; 6 bar; 87 psi air pressure*	dB(A)	74	74	74	74	74	74
Sound pressure level at 0.4 MPa; 4 bar; 58 psi air pressure*	dB(A)	69	69	69	69	69	69
Ø Piston of air motor	mm; Inch	80; 3.2	80; 3.2	100; 4	100; 4	100; 4	100; 4
Ø Material inlet connection (female)	Zoll/ Inch	G 1"	G 3/4"	G 3/4"	G 1"	G 1"	G 1"
Ø Material outlet connection (female)	Zoll/ Inch	G 3/8"	G 3/8"	G 3/8"	G 3/8"	G 3/8"	G 3/8"
Weight	kg; lb	17; 38	15; 33	16; 35	18; 40	28; 62	28; 62
pH range of the material	pH	3.5 ÷ 9					
Maxi. material pressure at pump inlet	MPa; bar; psi	2; 20; 290					
Material temperature	°C; °F	+5° ÷ +80°; +41 ÷ +176					
Range of material temperature	°C; °F	+5° ÷ +60°; +41 ÷ +140					
Allowable sloping position at work	↘ °	± 10					

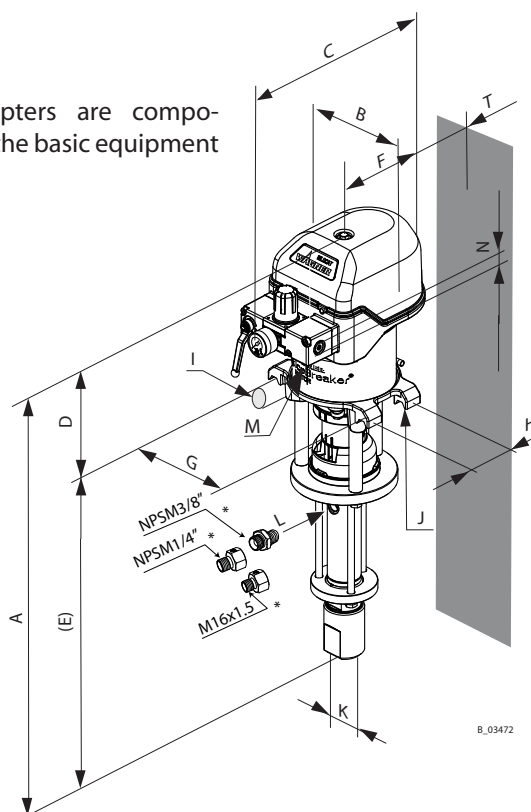
* A rated sound pressure level measured at 1 m distance according to DIN EN 14462: 2005.

Reference measurements have been made by SUVA (Swiss accident insurance institute).

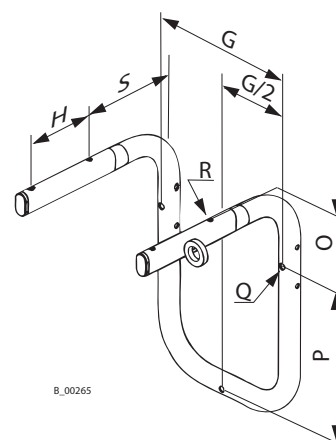
4.3.3.2 MEASUREMENTS AND CONNECTIONS FOR WILDCAT AND PUMA

	WILDCAT 10-70 mm; inch	WILDCAT 18-40 mm; inch	PUMA 28-40 mm; inch	PUMA 15-70 mm; inch	PUMA 21-110 mm; inch	PUMA 15-150 mm; inch
A	764; 30.1	708; 27.9		764; 30.1	965; 38.0	1040; 40.9
B	169; 6.7					
C	~ 313; 12.3					
D	260; 10.2					335; 13.2
E	490; 19.3	434; 17.1		490; 19.3	705; 27.6	
F	134; 5.3					
G	182; 7.2					
H	80					
I	Ø 25; ø 1					
J	M6					
K	G1"	G3/4"		G1"		
L	G3/8"					
M	G1/2"					
N	G1/4"					
O	107; 4.2					
P	175; 6.9					
Q	Ø 9; Ø 0.35					
R	Ø 7; Ø 0.28					
S	149; 5.9					
T	55; 2.2					

* The adapters are components of the basic equipment



Wall mount





4.3.3.3 TECHNICAL DATA FOR LEOPARD AND JAGUAR

Description	Units	LEOPARD 35-70	LEOPARD 48-110	LEOPARD 35-150	JAGUAR 75-150
Transmission ratio		35 : 1	48 : 1	35 : 1	75 : 1
Flow volume per double stroke (DS)	cm ³ / cc	70	110	150	150
Maxi. operating pressure	MPa bar psi	25 250 3626	37 370 5366	27 270 3916	53 530 7687
Maxi. possible strokes in operation	DH/min	60	60	60	60
Min. - Maxi. air inlet pressure	MPa bar psi	0.25-0.71 2.5-7.1 36-103	0.25-0.8 2.5-8 36-116	0.25-0.77 2.5-7.7 36-112	0.25-0.71 2.5-7.1 36-103
Ø Air inlet connection (female)	Zoll; Inch	G 1/2"	G 1/2"	G 1/2"	G 1"
Min. Ø compressed air hose	mm; Inch	13; 0.51	13; 0.51	13; 0.51	25; 0.98
Air consumption at 0.6 MPa; 6 bar; 87 psi per DS	nl; scf	18.6; 0.66	37.3; 1.32	37.3; 1.32	79.9; 2.82
Sound pressure level at maxi. permissible air pressure*	dB(A)	77	78	80	83
Sound pressure level at 0.6 MPa; 6 bar; 87 psi air pressure*	dB(A)	74	74	78	81
Sound pressure level at 0.4 MPa; 4 bar; 58 psi air pressure*	dB(A)	71	69	74	74
Ø Piston of air motor	mm; Inch	150; 6	150; 6	150; 6	220; 8.7
Ø Material inlet connection (female)	Zoll; Inch	G 1"	G 1"	G 1"	G 1"
Ø Material outlet connection (female)	Zoll; Inch	G 3/8"	G 3/8"	G 3/8"	G 3/8"
Weight	kg; lb	26; 57	36; 79	36; 79	53; 117
pH range of the material	pH	3.5 ÷ 9			
Maxi. material pressure at pump inlet	MPa; bar; psi	2; 20; 290			
Material temperature	°C; °F	+5° ÷ +80°; +41 ÷ +176			
Range of material temperature	°C; °F	+5° ÷ +60°; +41 ÷ +140			
Allowable sloping position at work	↘ °	± 10			

* A rated sound pressure level measured at 1 m distance according to DIN EN 14462: 2005.

Reference measurements have been made by SUVA (Swiss accident insurance institute).

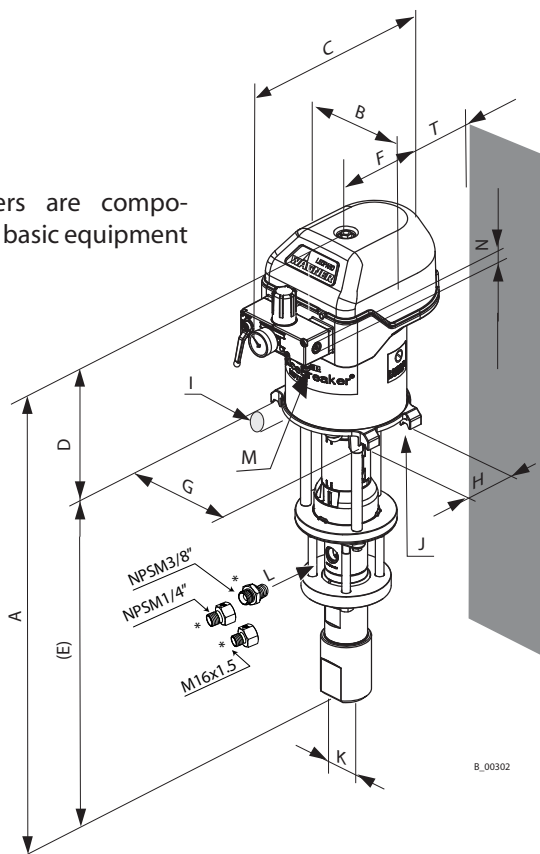
	 WARNING
	<p>Outgoing air containing oil! Risk of poisoning if inhaled Function problem airmotor</p> <p>→ Provide water-free and oil-free compressed air (quality standard 5.5.4 as per ISO 8573.1) 5.5.4 = 40 µm / +7 / 5 mg/m³.</p>

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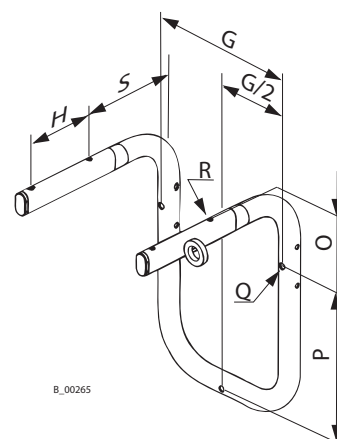
4.3.3.4 MEASUREMENTS AND CONNECTIONS FOR LEOPARD AND JAGUAR

	LEOPARD 35-70 mm; inch	LEOPARD 48-110 mm; inch	LEOPARD 35-150 mm; inch	JAGUAR 75-150 mm; inch
A	795; 31.1	1080; 42.5		1200; 47.2
B	240; 9.4			304; 12
C	~ 430; 16.9			~595; 23.4
D	305; 12	380; 15		516; 20.3
E	490; 19.3	705; 27.6		684; 26.9
F	192; 7.6			244; 9.6
G	230; 9.1			
H	110			
I	20x35; 0.8x1.4			20x48; 0.8x1.9
J	M6			M8
K	G1"			
L	G3/8"			
M	G1/2"			G1"
N	G1/4"			-
O	129; 5.1			135; 5.3
P	238; 9.4			
Q	Ø 9; Ø 0.35			
R	Ø 7; Ø 0.28			Ø 9; Ø 0.35
S	167; 6.6			206; 8.1
T	30; 1.2			82; 3.2

* The adapters are components of the basic equipment



Wall mount



4.3.4 FLOW VOLUME

Wagner nozzle AL			Volume flow in l/min; cc/min *		
ø inch	ø mm	Spray angle	at 7 MPa 70 bar 1015 psi	at 10 MPa 100 bar 1450 psi	at 15 MPa 150 bar 2175 psi
0.007	0.18	40°	0.1650	0.2000	0.2400
0.009	0.23	20-30-40-50-60°	0.2060	0.2500	0.3090
0.011	0.28	10-20-30-40-50-60°	0.2950	0.3450	0.4260
0.013	0.33	10-20-30-40-50-60-80°	0.4530	0.5280	0.6600
0.015	0.38	10-20-30-40-50-60-80°	0.5770	0.6720	0.8130
0.017	0.43	20-30-40-50-60-70°	0.7310	0.7860	1.0640
0.019	0.48	20-30-40-50-60-70-80°	0.9260	1.0920	1.3700
0.021	0.53	20-40-50-60-80°	1.1430	1.3600	1.6900
0.023	0.58	20-40-50-60-70-80°	1.3700	1.5900	2.0100
0.025	0.64	20-40-50-60-80°	1.6200	1.9100	2.4000
0.027	0.69	20-40-50-60-80°	1.8300	2.1300	2.6800
0.029	0.75	60°	2.1900	2.5100	3.1700
0.031	0.79	20-40-50-60°	2.4000	2.7700	3.4900
0.035	0.90	20-40-50-60°	3.2200	3.7400	4.6900
0.043	1.10	20-50°	5.0700	6.0400	7.4600
0.052	1.30	50°	5.1200	6.5000	7.5200

Wildcat 18-40
Puma 28-40Wildcat 10-70
Puma 15-70
Leopard 35-70Leopard 35-150; 48-110
Puma 15-150; 21-110
Jaguar 75-150

* Flow volume refers to water.

Maximum ranges for continuous operation at 50 DS/min.**4.3.5 PERFORMANCE DIAGRAMS**

Example

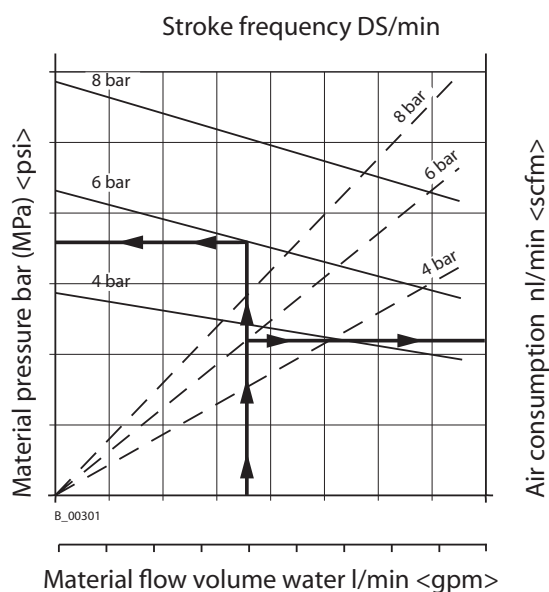
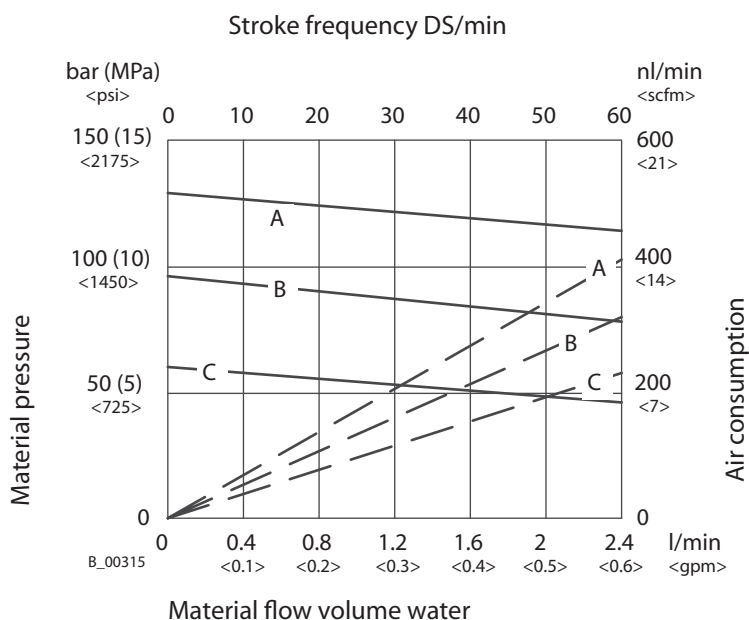
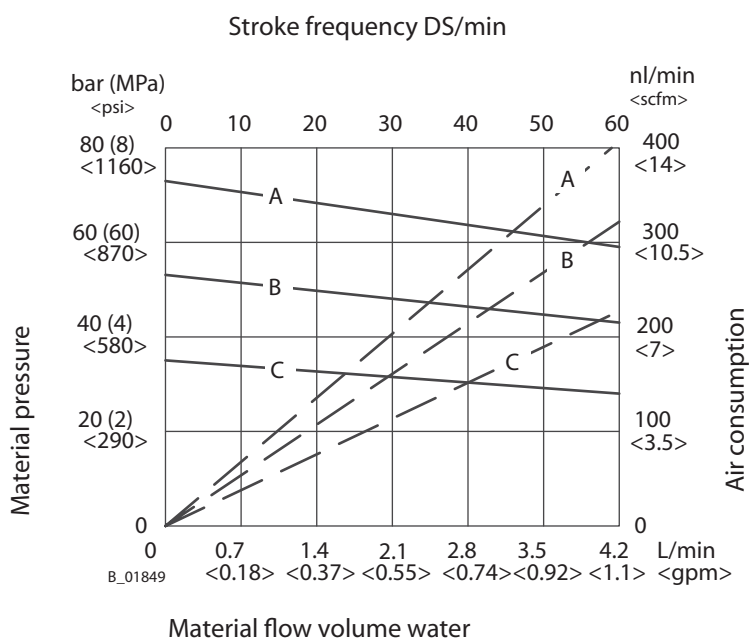
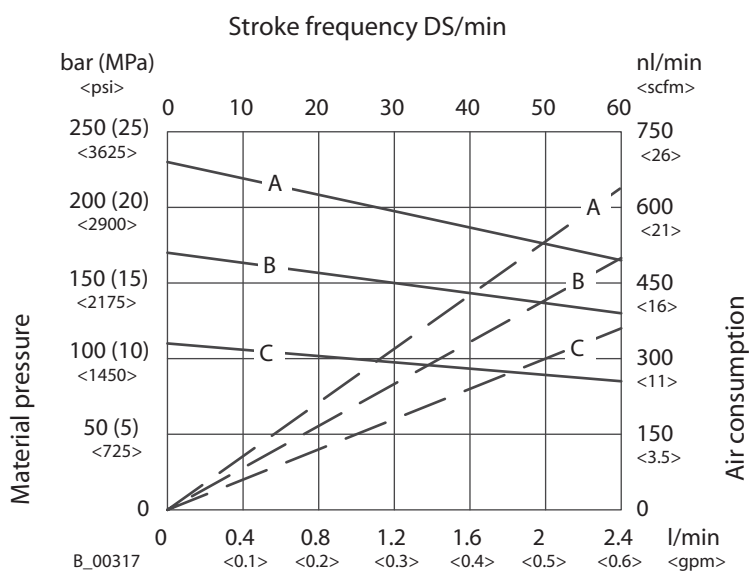


Diagram WILDCAT 18-40

A = 8 bar; 0.8 MPa; 116 psi Air pressure
 B = 6 bar; 0.6 MPa; 87 psi Air pressure
 C = 4 bar; 0.4 MPa; 58 psi Air pressure

Diagram WILDCAT 10-70

A = 8 bar; 0.8 MPa; 116 psi Air pressure
 B = 6 bar; 0.6 MPa; 87 psi Air pressure
 C = 4 bar; 0.4 MPa; 58 psi Air pressure

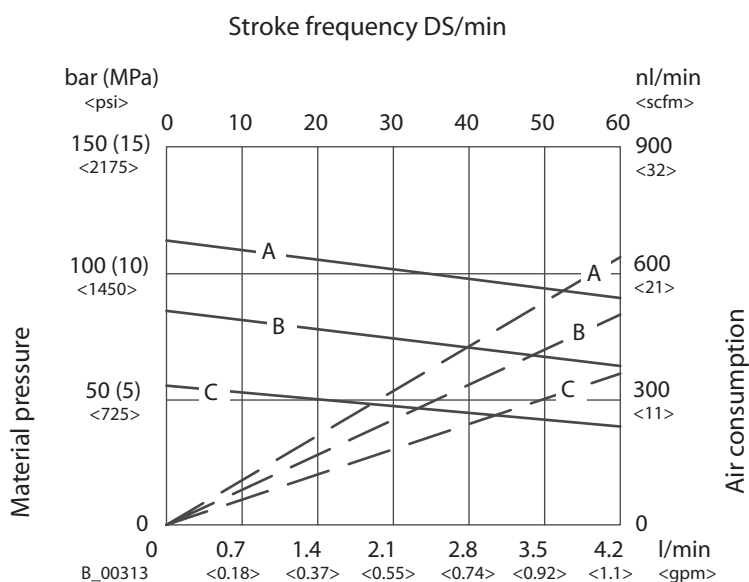
Diagram PUMA 28-40

Material flow volume water

A = 8 bar; 0.8 MPa; 116 psi Air pressure

B = 6 bar; 0.6 MPa; 87 psi Air pressure

C = 4 bar; 0.4 MPa; 58 psi Air pressure

Diagram PUMA 15-70

Material flow volume water

A = 8 bar; 0.8 MPa; 116 psi Air pressure

B = 6 bar; 0.6 MPa; 87 psi Air pressure

C = 4 bar; 0.4 MPa; 58 psi Air pressure

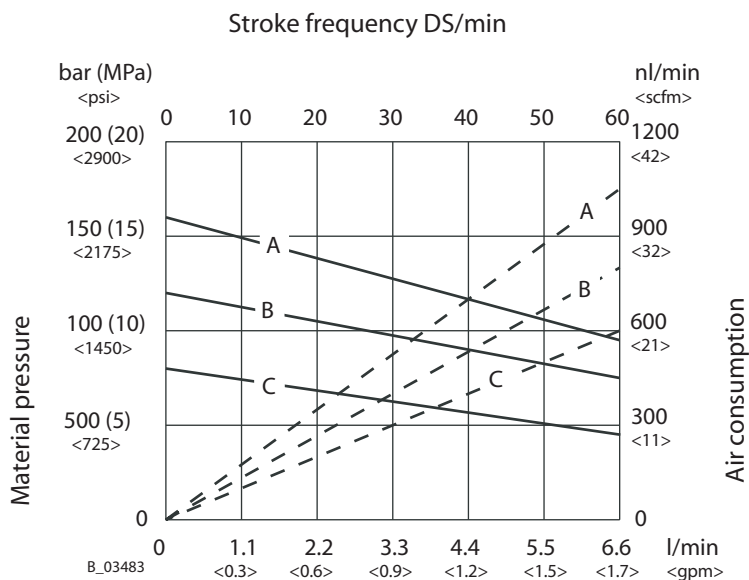
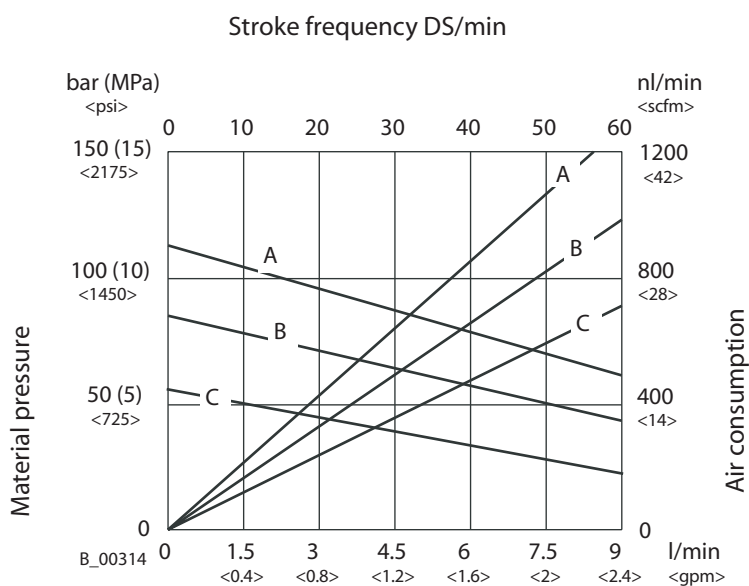
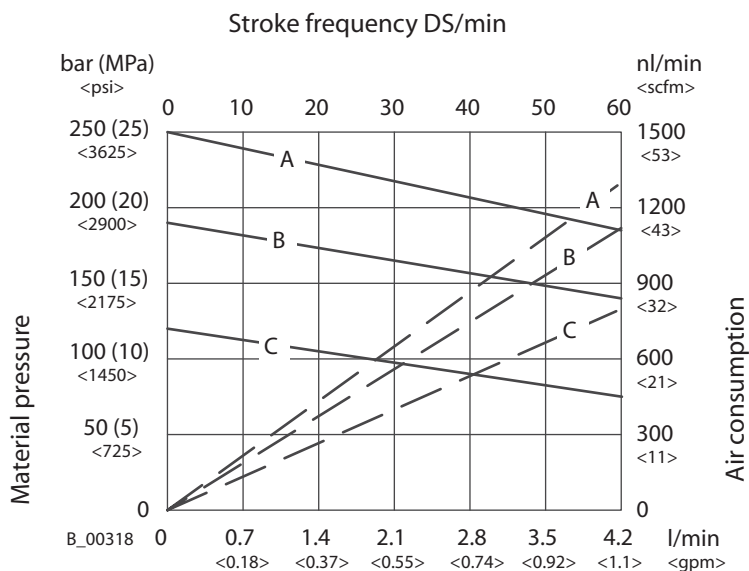
Diagram PUMA 21-110**Diagram PUMA 15-150**

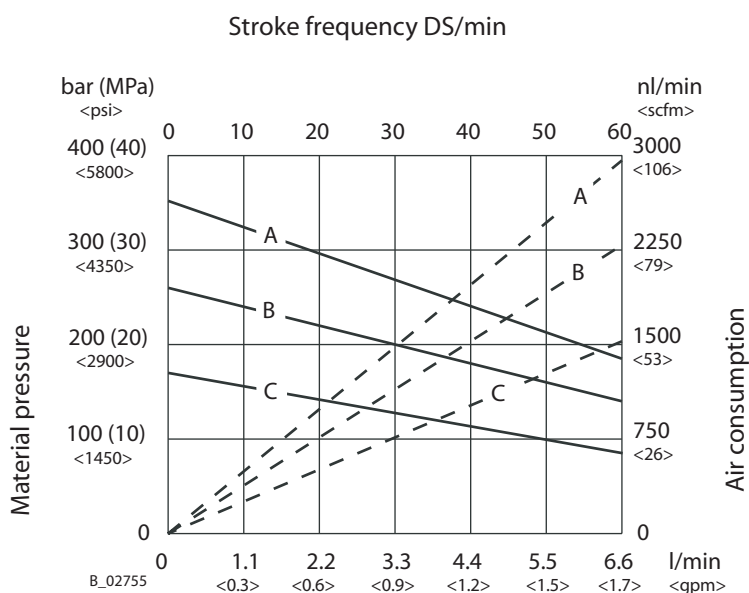
Diagram LEOPARD 35-70

Material flow volume water

A = 7.1 bar; 0.71 MPa; 103 psi Air pressure

B = 6 bar; 0.6 MPa; 87 psi Air pressure

C = 4 bar; 0.4 MPa; 58 psi Air pressure

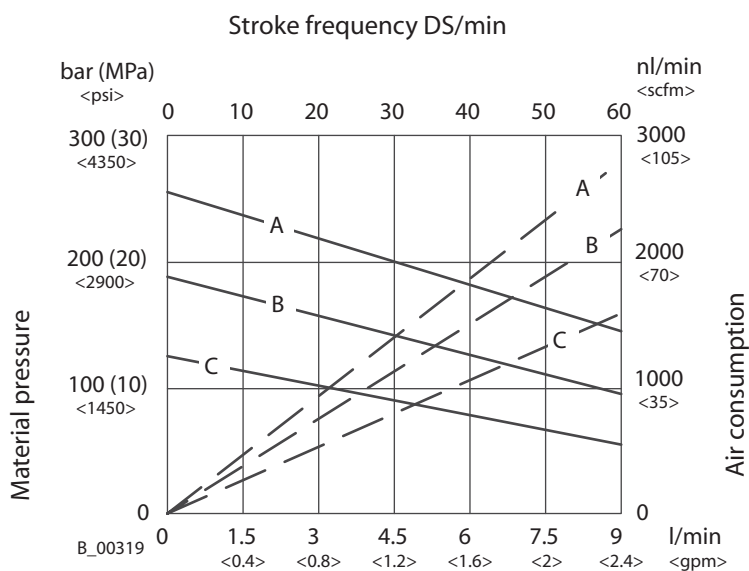
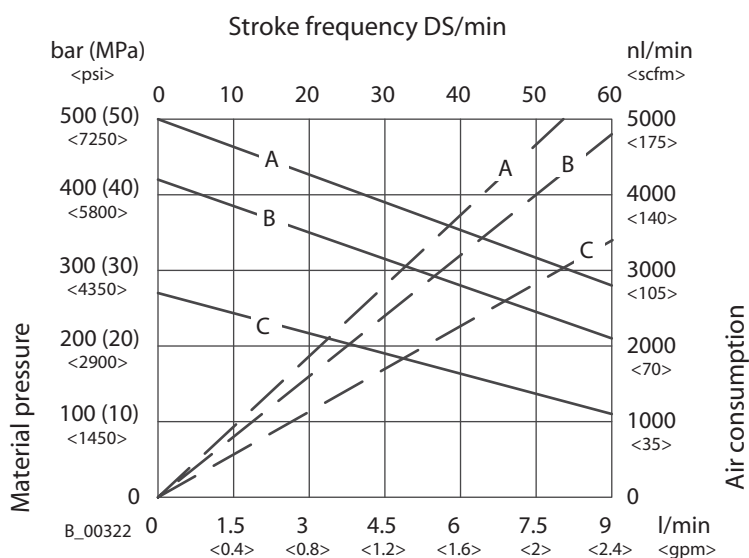
Diagram LEOPARD 48-110

Material flow volume water

A = 8 bar; 0.8 MPa; 116 psi Air pressure

B = 6 bar; 0.6 MPa; 87 psi Air pressure

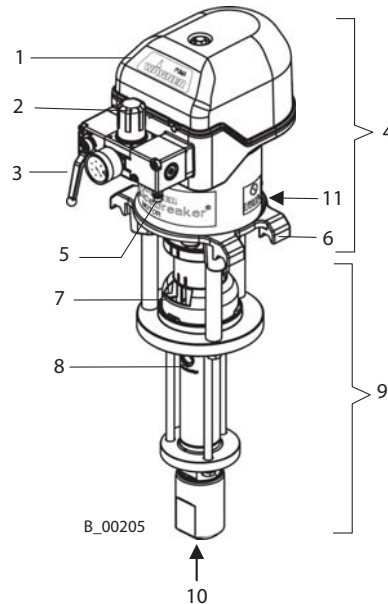
C = 4 bar; 0.4 MPa; 58 psi Air pressure

Diagram LEOPARD 35-150**Diagram JAGUAR 75-150**

4.4 FUNCTION

4.4.1 PUMP

- 1 Control housing with integrated silencer
- 2 Air regulator
- 3 Ball valve
- 4 Air motor
- 5 Compressed air connection
- 6 Mounting flange
- 7 Separating fluid cup
- 8 Material outlet
- 9 Material pump
- 10 Material inlet
- 11 Earthing connection



General informations

The piston pump is driven with compressed air. This compressed air moves up and down the air piston in the air motor (4) and thus also the pump piston in the material pump (9). At the end of each stroke the compressed air is redirected by a change over valve and the control piston.

Working materials are sucked in on the upward stroke and simultaneously conveyed to the gun in both strokes.

Air motor (4)

The air motor with its pneumatic reverse (1) does not require pneumatic oil. The compressed air is fed to the motor over the air regulator (2) and the ball valve (3).

The air motor is fitted with a safety valve. The safety valve has been set and sealed at the factory. With pressures over and above the permissible operating pressure the valve, which is held with a spring, automatically opens and releases the excess pressure.

	WARNING
	<p>Overpressure! Risk of injury from bursting components</p> <p>→ Never change the safety valve setting.</p>

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Material pump (9)

The material pump has been designed as a piston pump with exchangeable ball valves. The hard chrome-plated pump piston runs in two fixed packings which are self-adjusting by means of a pressure spring, thus resulting in a long life-span.

Between the air motor and material pump there is a separating fluid cup (7) for holding the separating fluid.

4.4.2 PRESSURE REGULATOR

- 1 Pressure regulator
- 2 Ball valve
- 3 Pressure gauge
- 4 Compressed air connection
- 5 Filter pressure regulator AirCoat (Option)

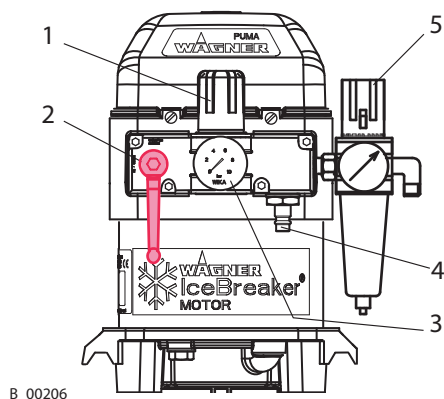
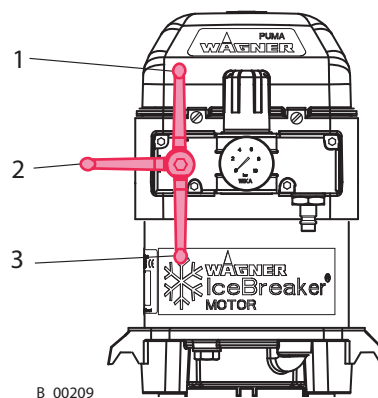


Figure:
Pneumatic pump Puma 28-40 Airless

Positions ball valve

- 1 Closed:
Operating pressure in the air motor will be vented (control pressure is available).
- 2 Closed:
The air motor can still be under pressure.
- 3 Open: Work position.

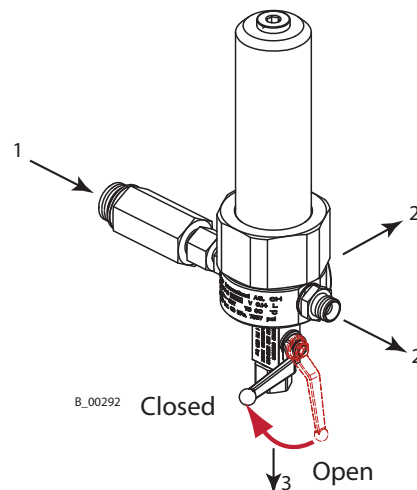


4.4.3 HIGH-PRESSURE FILTER (OPTION)**4.4.3.1 STANDARD HP FILTER (OPTION)**

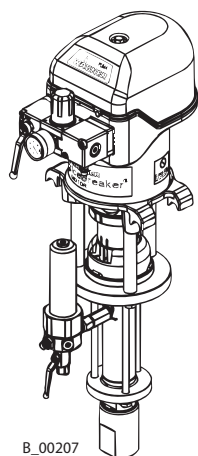
To ensure problem-free operation it is recommended that a WAGNER high-pressure filter is used. These have been developed especially for the respective pneumatic pumps. The filter inserts can be exchanged depending on the material to be used.

You will find the respective high pressure filters and their inserts for the device in the accessory list.

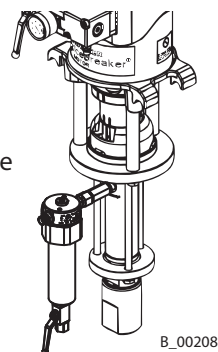
- 1 Connection Material pump
- 2 Two material outlets
- 3 Return



Preferred filter installation position



Installation position with filter housing at the down is also possible

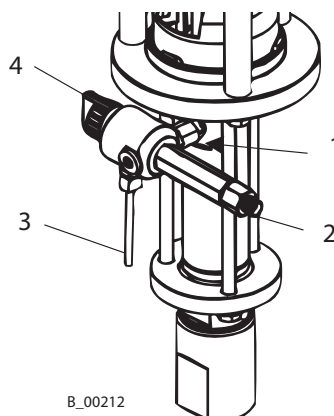
**4.4.3.2 FILTER-RELIEF COMBINATION (OPTION)**

Instead of the standard filter the advantageously filter-relief combination can be used if only a small volume of material will be delivered.

Use: in pumps up to 28-40.

The filter inserts can be exchanged depending on the material to be used. You will find the respective high pressure filters and their inserts for the device in the accessory list.

- 1 Connection material pump
- 2 Material outlet
- 3 Return
- 4 Relief valve



5 STARTING UP AND OPERATING

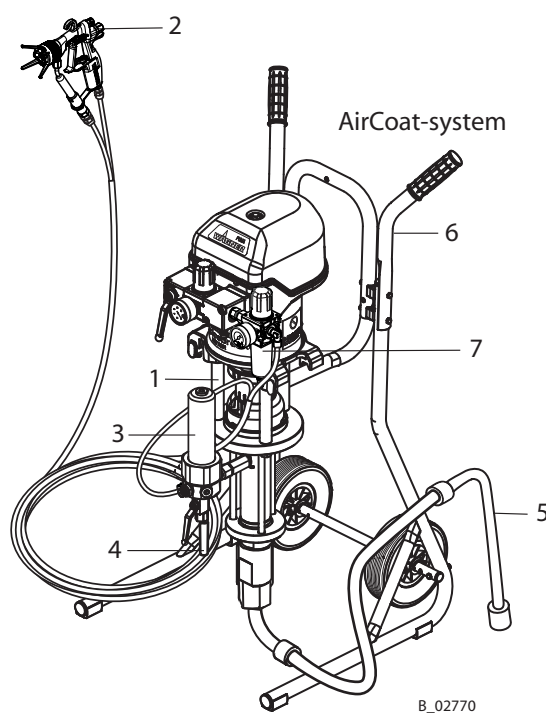
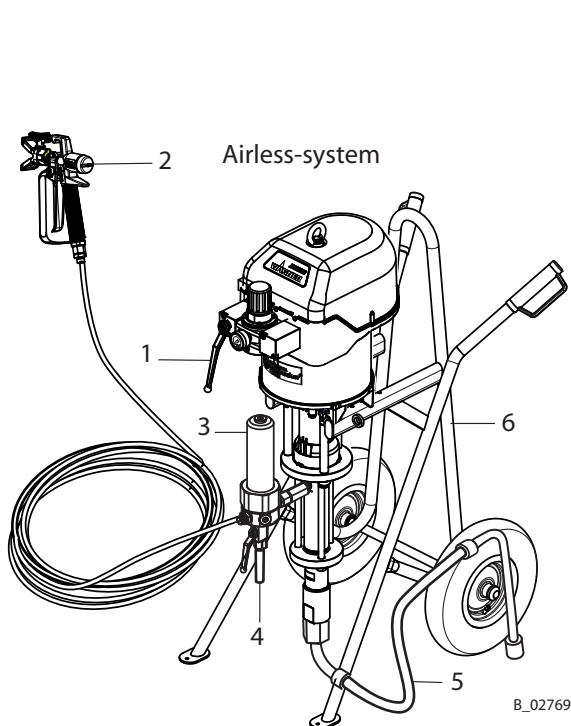
5.1 INSTALLATION AND CONNECTION


Note

This pump can be used as part of a spraying system for Airless or AirCoat applications. The individual components are shown in the accessories, or can be arranged with a spray pack configurator. The nozzles must be selected according to the gun instructions.



Procedure:

1. Install pump (1) on stand, trolley (6) or wall mounting. With spray pack orders are already pumps (1) on trolley (6) or on stands premounted by the factory.
2. Install with a AirCoat system the filter pressure regulator (7) and lock the thread of the air entrance to the pump (1) with Loctite 270.
3. Install a filter-relief combination or a high pressure filter (3).
4. Fit suction system (5).
5. Install return tube (4) or return hose.
6. Attach high-pressure hose and gun (2) in accordance with gun user manual.





	<p style="text-align: center;">! WARNING</p> <p>Inclined surface! Risk of accidents if the unit rolls away/falls</p> <ul style="list-style-type: none"> → Position the carriage with the piston pump horizontally. → If the surface is inclined, position the feet of the carriage towards the gradient. → Secure the carriage.
---	--

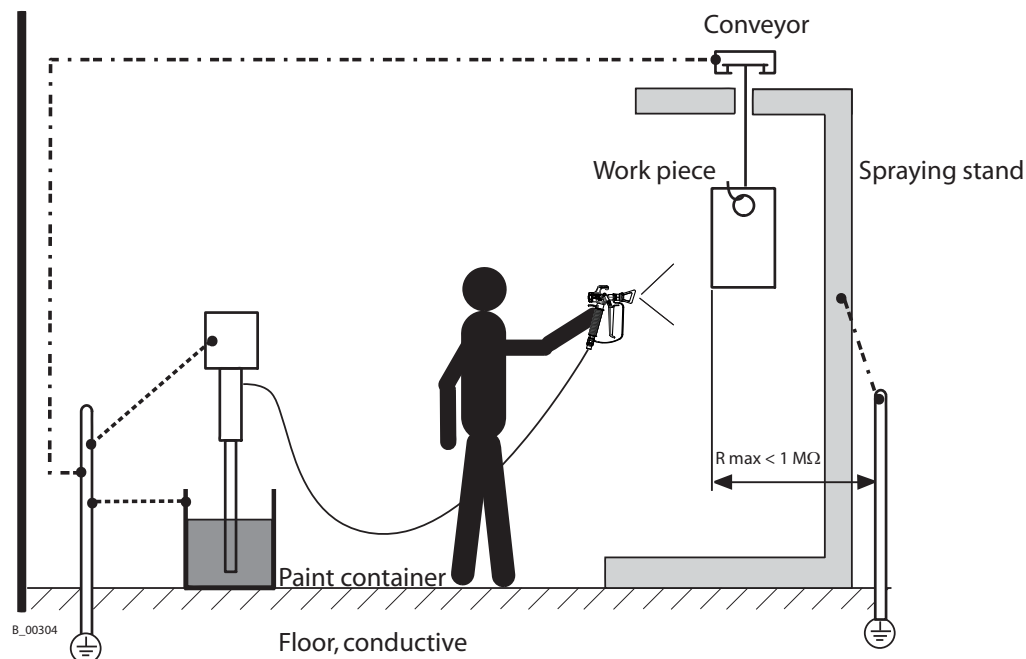
5.1.1 EARTHING

	 WARNING
	<p>Discharge of electrostatically charged components in atmospheres containing solvents! Explosion hazard from electrostatic sparks</p> <p>→ Clean the piston pump only with a damp cloth.</p>

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	 WARNING
	<p>Heavy paint mist if earthing is insufficient! Risk of poisoning Insufficient paint application quality</p> <p>→ Earth all unit components. → Earth the workpieces being painted.</p>

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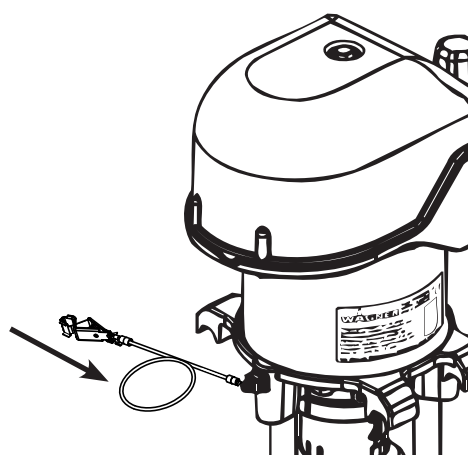
Earthing schema (example)

Cable cross sections

Pump	4 mm ² ; AWG11
Paint container	6 mm ² ; AWG10
Conveyor	16 mm ² ; AWG5
Spray booth	16 mm ² ; AWG5
Spraying stand	16 mm ² ; AWG5

Procedure:

1. Screw on earthing cable with eye.
2. Clamp the earthing cable clip to a earth connection on site.
3. Earth the material (paint) container to a local earth connection.
4. Earth the other parts of the system to a local earth connection.



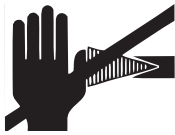
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5.2 START UP


5.2.1 SAFETY INSTRUCTIONS

Every time before starting up the following points should be observed as laid down in the operating instructions:


- That it is possible to observe the safety regulations in chapter 2.
- The starting up procedure, has been carried out properly.

	<div style="text-align: center;">! WARNING</div> <p>High-pressure spray jet! Danger to life from injecting paint or solvent</p> <ul style="list-style-type: none"> → Never reach into the spray jet. → Never point the spray gun at people. → Consult a doctor immediately in the event of skin injuries caused by paint or solvent. Inform the doctor about the paint or solvent used. → Never seal defective high-pressure parts, instead relieve the pressure from them and replace.
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	<div style="text-align: center;">! WARNING</div> <p>Toxic and/or flammable vapor mixtures! Risk of poisoning and burns</p> <ul style="list-style-type: none"> → Operate the unit in a spraying booth approved for the working materials. -or- → Operate the unit on an appropriate spraying wall with the ventilation (extraction) switched on. → Observe national and local regulations for the outgoing air speed.
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	<div style="text-align: center;">! WARNING</div> <p>Gas mixtures can explode if there is an incompletely filled pump! Danger to life from flying parts</p> <ul style="list-style-type: none"> → Ensure that the pump and suction system are always completely filled with cleaning agent or working medium. → Do not spray the unit empty after cleaning.
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OPERATING MANUAL

Before every start-up, the following points should be observed as laid down in the operating manual:

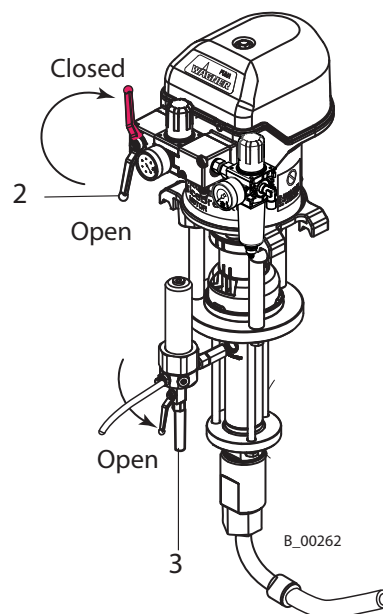
- Secure gun with safety catch.
- Check the permissible pressures.
- Check all connections for leaks.
- Check hose for damage.

It should be ensured that the unit is in the following state before carrying out any work on it:

- The pressure should be released from the pump and high pressure hose with gun.
- The gun should be secured with safety catch.
- The air supply should be interrupted.

Emergency Stop

In the case of unforeseen occurrences the ball valve (2) should be closed immediately and The return valve (3) opened.

**5.2.2 FILLING SEPARATING FLUID****CAUTION****Piston pump dry run!**

High wear/damage to the packages
Paint or solvent can escape if the seals are dry

- Ensure that the separating fluid container is filled with sufficient separating fluid.
Filling level 1 cm; 0.4 inches under the pot edge.

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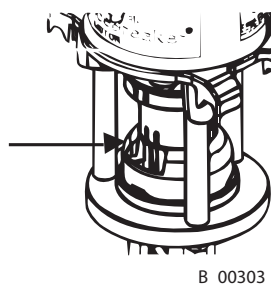
Place the supplied separating fluid into the separating fluid cup.

Filling level: 1 cm; 0.4 inches under the pot edge.

Separating fluid: Part-No. 9992504.

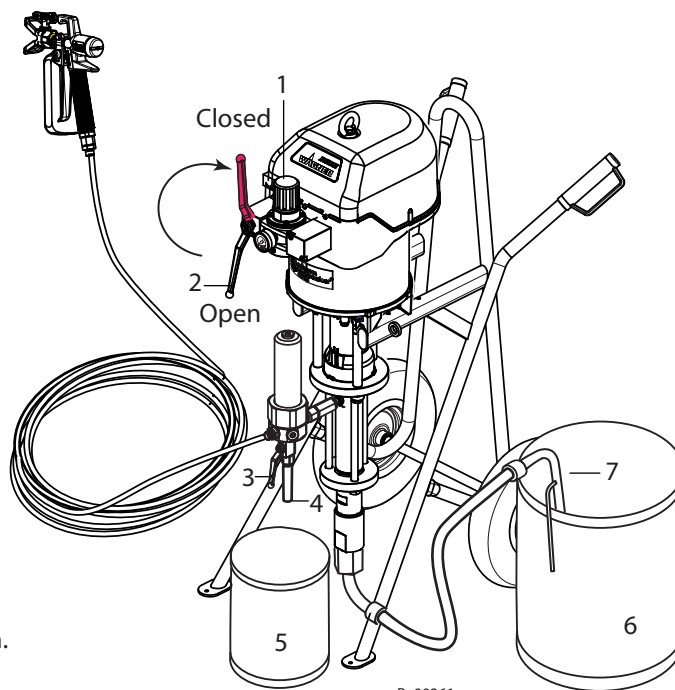
Note

When preparation has taken place the maxi. allowed leaning angle of the pump is $\pm 30^\circ$ for moving, transport, etc.
During the operation it must standing vertical.



5.2.3 BASIC CLEANING

1. Place empty container (5) under return tube (4).
2. Place suction hose (7) in a container with solvent (6).
3. Set pressure regulator (1) to approx. 0.05 MPa; 0.5 bar; 7.25 psi.
4. Open return valve (3).
5. Slowly open ball valve (2).
6. Adjust the air pressure on the pressure regulator (1) so that the pump runs regularly.
7. Rinse the system until clean solvent flows into the container (5).
8. Close ball valve (2).
9. Close return valve (3).
10. Point the gun, without nozzle, into container (5) and open it.
11. Slowly open ball valve (2).
12. Rinse until clean solvent flows from the gun.
13. Close ball valve (2).
14. When there is no pressure remaining in the system close gun.
15. Secure gun.
16. Dispose of the contents of the container (5) according to the local regulations.

**5.2.4 FILLING WITH WORKING MATERIAL**

1. Place empty container (5) under return tube (4) (see figure B_00261)
2. Place suction hose (7) in the container with working material (6).

Note:

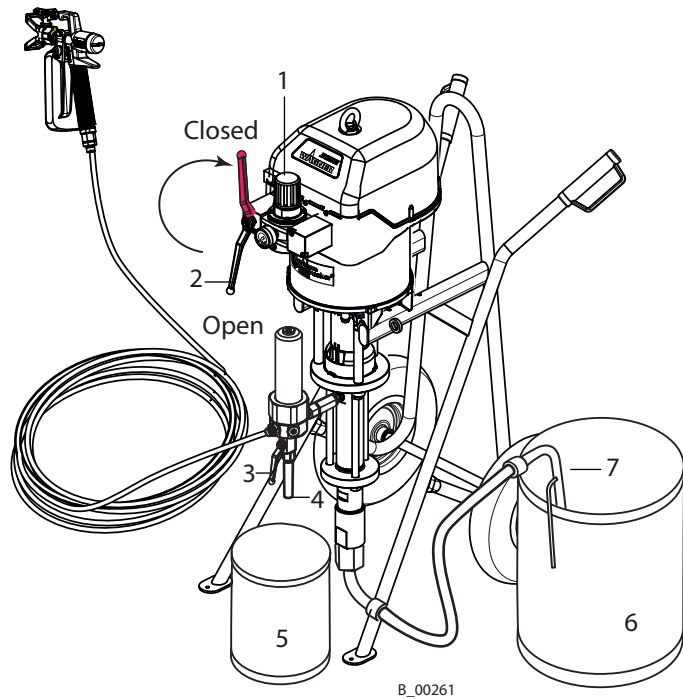
If the pump is equipped with a rigid suction system, it should only be dipped in into the working material in maximum to the middle of the inlet housing!

3. Set pressure regulator (1) to approx. 0.05 MPa; 0.5 bar; 7.25 psi.
4. Open return valve (3).
5. Slowly open ball valve (2).
6. Adjust the air pressure on the pressure regulator (1) so that the pump runs regularly.
7. Close ball valve (2) as soon as pure working material starts coming from the return hose.
8. Close return valve (3).
9. Point the gun, without nozzle, into container (5) and open it.
10. Slowly open ball valve (2).
11. Close ball valve (2) as soon as pure working material starts coming from the gun.
12. When there is no pressure remaining in the system close gun.
13. Secure gun.
14. Dispose of the contents of the container (5) according to the local regulations.

5.3 WORK

5.3.1 SPRAYING

1. Secure gun and place nozzle in the gun.
2. Slowly open ball valve (2).
3. Set required working pressure on the pressure regulator (1).
4. Optimize the spraying results as laid down in the gun instructions.
5. Start work process.




B_00261

5.3.2 BREAKS IN WORK

1. Close gun.
2. Close ball valve (2).
3. Release the system by opening the gun.
4. Close and secure gun.

If the system has been used with two component material:

	<p style="text-align: center;">! WARNING</p> <p>Hardened material in the spraying system when 2-component material is worked!</p> <p>Destruction of the pump and injection system</p> <p>→ Follow the manufacturer's working instructions, particularly regarding the pot life.</p> <p>→ Rinse thoroughly before the end of the pot life.</p> <p>→ The potlife time decreases at raising temperature.</p>
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5.3.3 DISMANTLING AND CLEANING

Note

The device should be cleaned for maintenance purposes, etc. Ensure that no remaining material dries and sticks.



Procedure:

1. Working breaks -> Procedure on chapter 5.3.2.
2. Basic cleaning -> Procedure on chapter 5.2.3.
3. Maintain the gun as laid down in the operating instructions.
4. Clean and check the suction system and, in particular, the suction filter.
5. When using a high-pressure filter: Clean and check the filter insert and filter body.
6. Clean the outside of the system.

	 WARNING
	<p>Brittle filter pressure regulator! The container on the filter pressure regulator becomes brittle through contact with solvents and can burst Flying parts can cause injury</p> <p>→ Do not clean the container on the pressure regulator with solvent.</p>

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7. Put the whole system back together.
8. Check the level of the separating fluid -> Paragraph 5.2.2.
9. Fill the system with solvent as laid down in Paragraph 5.2.4 „Filling with working material“.

	 WARNING
	<p>Gas mixtures can explode if there is an incompletely filled pump! Danger to life from flying parts</p> <p>→ Ensure that the pump and suction system are always completely filled with cleaning agent or working medium. → Do not spray the unit empty after cleaning.</p>

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5.4 STORING FOR LONGER PERIODS OF TIME

When storing the device for longer periods of time it is necessary to thoroughly clean it and protect it from corrosion. Replace the water or solvent in the material pump with a suitable preserving oil. Fill separating fluid cup with separating fluid.

Procedure:

1. Carry out Paragraph 5.3.3 „Shutting down and cleaning“, points 1 through 9.
2. Cleaning with preserving agent in accordance with paragraph 5.2.3.
3. Protect the air motor with pneumatic oil: connect an oiler to the compressed air inlet and run for a few double strokes.

6 FAULT LOCATION, MAINTENANCE AND REPAIR

6.1 TROUBLE SHOOTING AND SOLUTION



Problem	Cause	Solution
The pump does not work	• Air motor does not work or stops	• Open and close ball valve on the pressure regulator unit or disconnect compressed air supply shortly
	• No pressure indication (pressure regulator defect)	• Disconnect compressed air supply shortly or repair or change pressure regulator
	• Spray nozzle clogged	• Clean nozzle according to the instructions
	• Insufficient supply of compressed air	• Check compressed air supply
	• Filter insert in spray gun or high-pressure filter is clogged	• Clean the parts and use a suitable working material
	• Material feed pump or high pressure hose are blocked (e.g., two-component material hardened)	• Dismantle the paint pump and clean, replace high-pressure hose
	• Grease in spool-sleeve combination (air motor stops at the stroke end)	• Degrees spool-sleeve combination, check detent body. (use service manual)
Poor spray pattern	• See gun instructions	
Irregular operation of material feed pump; spray jet collapses (pulsation)	• Viscosity too high	• Thin spraying material
	• Spraying pressure too low	• Increase incoming air pressure, use smaller nozzle
	• Valves are clogged	• Clean material pump, if necessary leave to soak in solvent
	• Impurities in the suction valve	• Dismantle suction valve housing, clean and check valve seat
	• Diameter of the compressed air line too small	• Assemble a larger incoming line -> technical data, paragraph 4.3.3
	• Valves, packings or pistons worn out	• Replace parts
	• Filter for control air or filter for work air is clogged	• Check filter and clean it
Pump runs evenly, however does not suck up material	• Union nut of the suction system is loose, pump is taking in air	• Tighten
	• Suction filter is clogged	• Clean filter
	• Ball in suction or piston valve is sticking	• Clean with solvent (if necessary vent device)

Trouble shooting and solution

Problem	Cause	Solution
Pump runs when the gun is closed	Packings, valves or pistons worn	Replace parts
Air motor iced up	A lot of condensation water in the air supply.	Install a water separator.

If the problem is not listed above consult your WAGNER Service Center.

6.2 MAINTENANCE

	<div style="text-align: center;"> WARNING</div> <p>Incorrect maintenance/repair! Danger to life and equipment damage</p> <ul style="list-style-type: none"> → Only a WAGNER service center or a suitably trained person may carry out repairs and replace parts. → Only repair and replace parts that are listed in the chapter "Spare parts catalog". → Before all work on the unit and in the event of work interruptions: <ul style="list-style-type: none"> - Disconnect the control unit from the mains. - Relieve the pressure from the spray gun and unit. - Secure the spray gun against actuation. → Observe the operating and service instructions when carrying out all work.
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1. Check the level of separating fluid in the separating fluid cup every day, and top up if necessary.
2. Check and clean the high-pressure filter every day or as required.
3. Every shut down should be carried out as laid down in paragraph 5.3.3!
4. Check and replace if necessary hoses, tubes, couplings every days.

WAGNER recommends to check the whole spray system every year from a technical expert (e.g. WAGNER service technician).

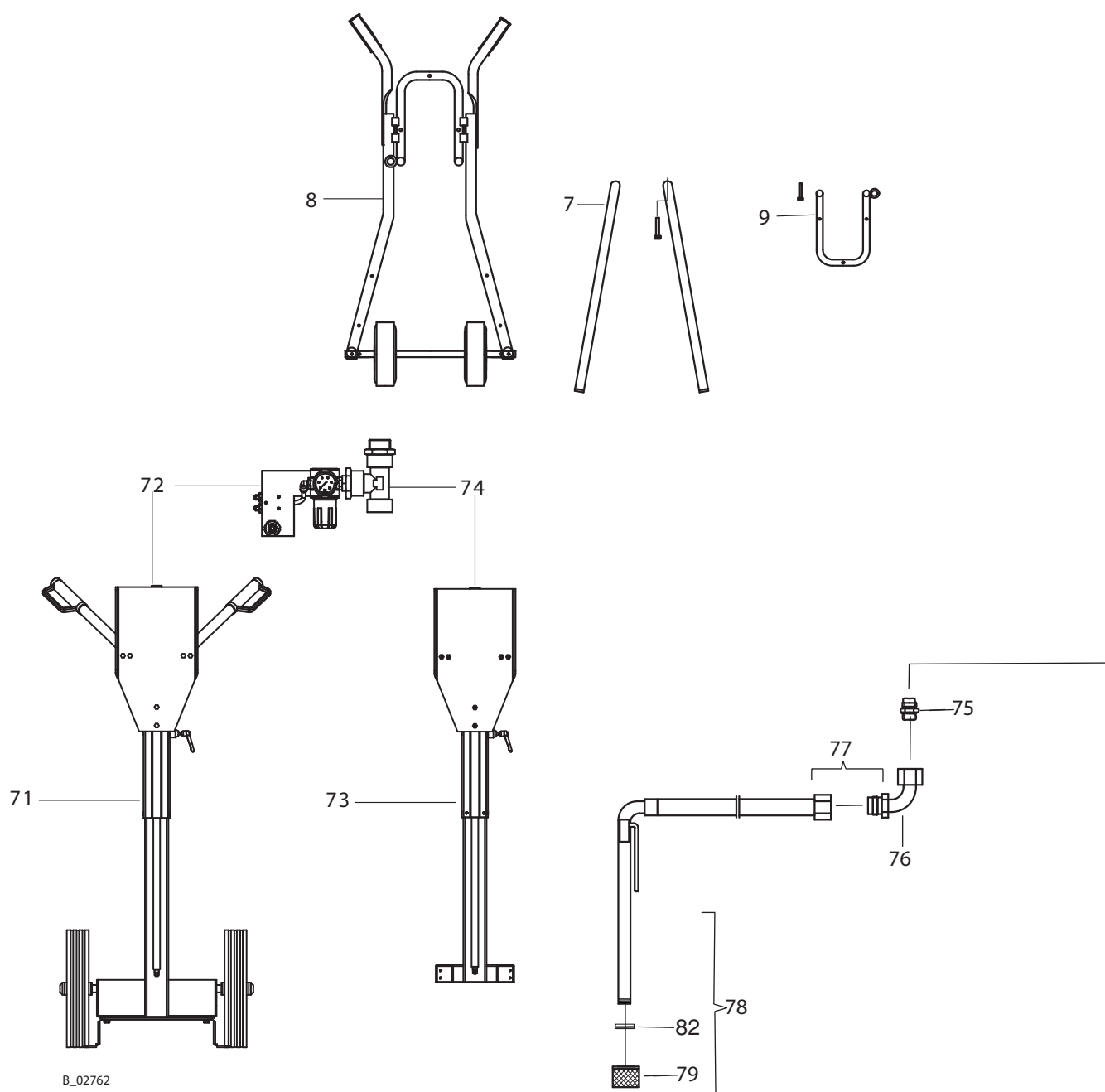
The service instructions manual is available in languages german and english.
Part numbers see chapter 1.1

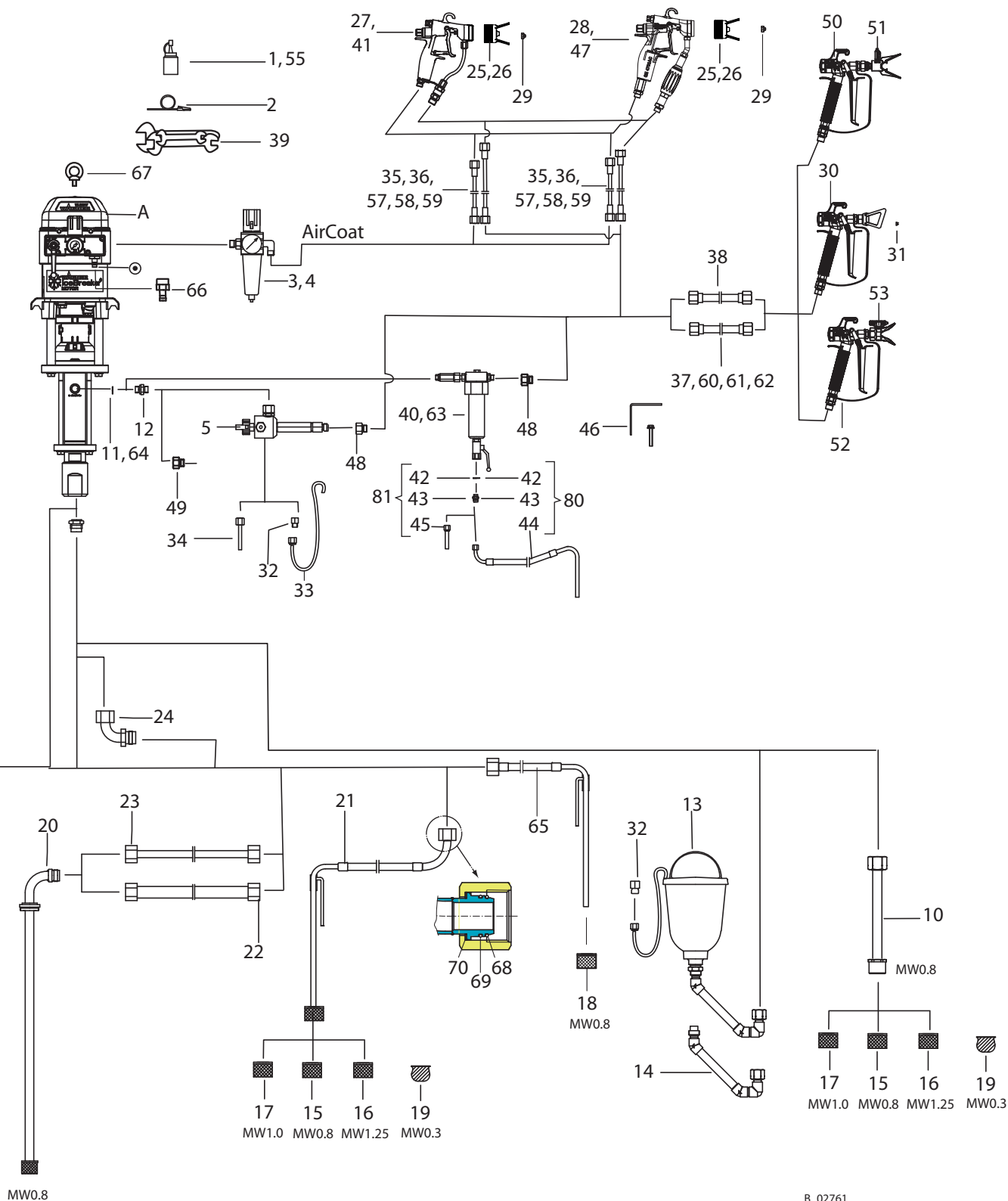
7 ACCESSORIES

7.1 ACCESSORIES FOR WILDCAT AND PUMA PUMPS

List Accessories		WILDCAT 10-70	WILDCAT 18-40	PUMA 28-40	PUMA 15-70	PUMA 21-110	PUMA 15-150
Pos	K Description	No.	No.	No.	No.	No.	No.
A	Piston pump PE/TG	366112	366110	367103	367106	2319960	368114
A	Piston pump PE/T	366113	366111	367105	367107	-	368115
A	Piston pump PE/L	-	-	-	-	2319953	-
A	Piston pump PE/TG Valve tappet	-	366105	-	-	-	-
A	Piston pump PE/T Valve tappet	-	366106	-	-	-	-
1	Separating fluid 250 ml; 250 cc	9992504					
2	Earthing cable 3 m; 9.8 ft	236219					
3	◆ Filter pressure regulator with plastic bow	367062					
4	◆ Metal bowl for 367062	115985					
5	Filter-relief combination	367135				-	-
7	4-leg stand	367023				-	-
8	Stand 4 with wheels assy.	367121					
9	Mounting for wall 4 compl.	367020					
10	Suction system 352 fixed	367986					
11	◆ Sealing ring A18x22x2.5 Cu	9925024					
12	Reducing double nipple with 2x 60°, G3/8" -NPSM3/8"	367556					
13	Upper hopper set 5 l; 1.3 gal	367045				-	-
14	Suction elbow for pos. 13	366950				-	-
15	◆ Filter DN 25 mm; ID 1 inch, MW 0.8 mm, M28x1.5	250245					
16	◆ Filter DN 25 mm; ID 1 inch, MW 1.25 mm, M28x1.5	250243					
17	◆ Filter DN 25 mm; ID 1 inch, MW 1.0 mm, M28x1.5	344341					
18	◆ Filter DN 13 mm; ID 0.5 inch, MW 0.8 mm, M15x1	250244					
19	◆ Suction filter bag MW 0.3 mm	97531					
20	Barrel suction pipe DN 25 mm; ID 1 inch	115175					
21	◆ Suction hose flexible DN 25 mm; ID 1 inch	367140					
22	◆ Extension hose DN 25 mm; ID 1 inch	115285					

◆ Wearing part



OPERATING MANUAL

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List Accessories		WILDCAT 10-70	WILDCAT 18-40	PUMA 28-40	PUMA 15-70	PUMA 21-110	PUMA 15-150
Pos	K Description	No.	No.	No.	No.	No.	No.
23	◆ Extension hose DN 13 mm; ID 0.5 inch	115284					
24	Suction elbow M36x2	97075					
25	Air cap LV (red)	-	394910				
26	Air cap HV (blue)	-	394911				
27	AirCoat gun GM 4100AC, 16 MPa; 160 bar; 2321 psi, NPSM1/4"	-	394002	-	394002		
28	AirCoat gun GM 4700AC, 16 MPa; 160 bar; 2321 psi, NPSM1/4"	-	2313585	-	2313585		
29	◆ Nozzle ACF3000 -> see nozzle list in gun manual	-	379HHH...				
30	Airless gun AG-14, NPSM1/4", 27 MPa; 270 bar; 3920 psi with nozzles holder standard	-	257017		-	-	-
31	◆ Nozzles standard, 27 MPa; 270 bar; 3920 psi	-	90HHH		-	-	-
32	Adapter M16-M20	118231				-	-
33	◆ Return tube	366290				-	-
34	Return tube (for Pos. 5)	115858				-	-
35	◆ Hose set material AC DN3, Air DN6, consisting of paint-, air- and protective hose <i>Material:</i> NPSM1/4", 7.5 m; 24.6 ft, DN 3 mm; ID 0.12 inch, 27 MPa; 270 bar; 3916 psi <i>Air:</i> G1/4", 7.5 m; 24.6 ft, DN 6 mm; ID 0.24 inch, 0.8 MPa; 8 bar; 116 psi	-	2309705				
36	◆ Hose set material AC DN4, Air DN6, consisting of paint-, air- and protective hose <i>Material:</i> NPSM1/4", 7.5 m; 24.6 ft, DN 4 mm; ID 0.16 inch, 27 MPa; 270 bar; 3916 psi <i>Air:</i> G1/4", 7.5 m; 24.6 ft, DN 6 mm; ID 0.24 inch, 0.8 MPa; 8 bar; 116 psi	-	2309706				
37	◆ High pressure hose, 1/4 NPSM, DN 4 mm; ID 0.16 inch, 7.5 m; 24.6 ft, 27 MPa; 270 bar; 3920 psi	-	9984573		-	-	-

◆ Wearing part

List Accessories		WILDCAT 10-70	WILDCAT 18-40	PUMA 28-40	PUMA 15-70	PUMA 21-110	PUMA 15-150
Pos	K Description	No.	No.	No.	No.	No.	No.
38	◆ High pressure hose Airless, 1/4 NPSM, DN 3 mm; ID 0.12 inch, 7.5 m; 24.6 ft, 27 MPa; 270 bar; 3920 psi	-	9984583		-	-	-
39	Tool set	368870					
40	High pressure filter HPF-3, NPSM 3/8", with ball valve made of steel	367175					
41	AirCoat gun GM 4100AC, 25 MPa; 250 bar; 3626 psi, NPSM 1/4"	-	-	394012	-	-	-
42	◆ Sealing ring A17x21x1.5 AL	9974111					
43	Double nipple G3/8", -M20x2	367962					
44	◆ Return hose DN 13 mm; ID 0.5 inch, M20x2	367141					
45	Return tube HPF	367126					
46	Mounting for wall assy. for HP-filter (for Pos. 40 or 63)	367115					
47	AirCoat gun GM 4700AC, 25 MPa; 250 bar; 3626 psi, NPSM 1/4"	-	-	2313585	-	-	-
48	Adapter NPSM 3/8" I -NPSM1/4" A	367562					
49	Adapter NPSM 3/8" I -M16x1.5 A	367563					
50	Airless gun AG-14, NPSM 1/4", 27 MPa; 270 bar; 3920 psi with nozzles holder Tip Wagner	-	257015		-	-	-
51	◆ Nozzles Tip nozzles, 27 MPa; 270 bar; 3920 psi	-	1088HHH		-	-	-
52	Airless gun AG-14 with ProfiTip HP, NPSM 1/4", 27 MPa; 270 bar; 3920 psi	-	347016		-	-	-
53	◆ Nozzle Wagner ProfiTip HP...,		1006HHH-				
55	Separating fluid 10 l; 2.6 gal	356940					
57	◆ Hose set material AC DN4, Air DN6, consisting of paint-, air- and protective hose <i>Material:</i> NPSM 1/4", 10 m; 32.8 ft, DN 4 mm; ID 0.16 inch, 27 MPa; 270 bar; 3916 psi <i>Air:</i> G1/4", 10 m; 32.8 ft, DN 6 mm; ID 0.24 inch, 0.8 MPa; 8 bar; 116 psi	-	2312801				

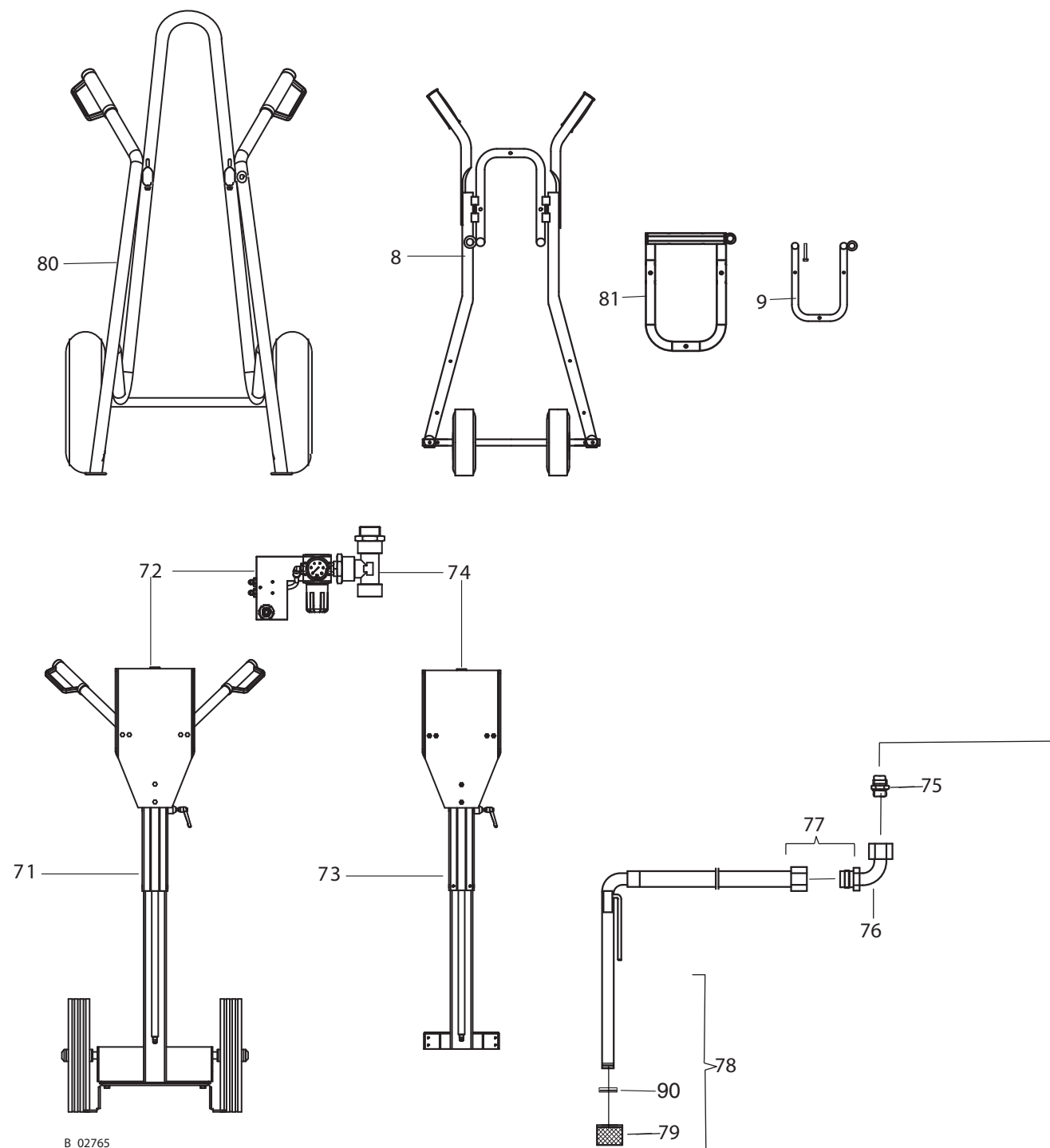
◆ Wearing part

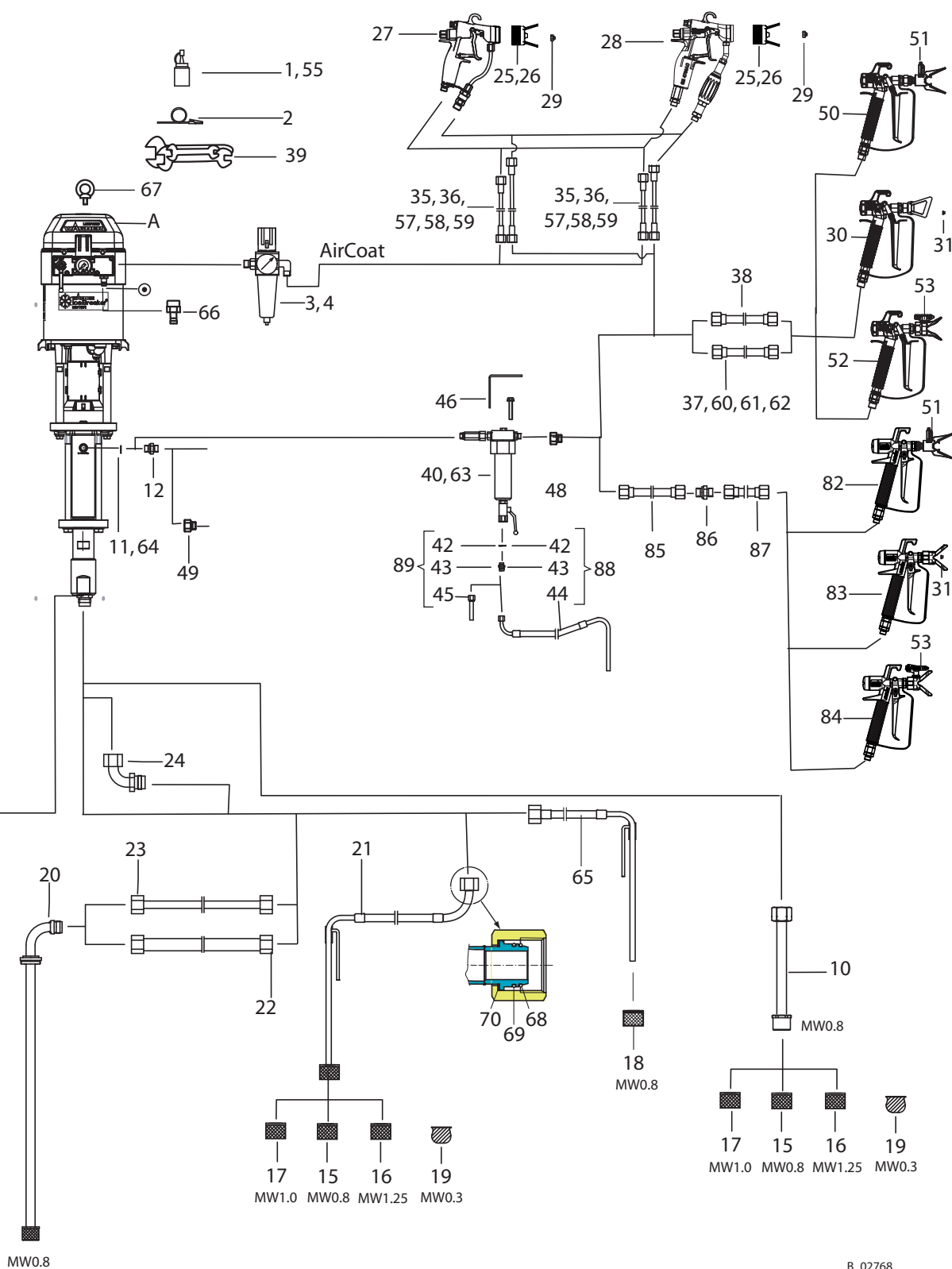
List Accessories		WILDCAT 10-70	WILDCAT 18-40	PUMA 28-40	PUMA 15-70	PUMA 21-110	PUMA 15-150
Pos	K Description	No.	No.	No.	No.	No.	No.
58	◆ Hose set material AC DN4, Air DN6, consisting of paint-, air- and protective hose <i>Material:</i> NPSM 1/4", 15 m; 49.2 ft, DN 4 mm; ID 0.16 inch, 27 MPa; 270 bar; 3916 psi <i>Air:</i> G1/4", 15 m; 49.2 ft, DN 6 mm; ID 0.24 inch, 0.8 MPa; 8 bar; 116 psi	-	2309634				
59	◆ Hose set material AC DN4, Air DN6, consisting of paint-, air- and protective hose <i>Material:</i> NPSM 1/4", 20 m; 65.6 ft, DN 4 mm; ID 0.16 inch, 27 MPa; 270 bar; 3916 psi <i>Air:</i> G1/4", 20 m; 65.6 ft, DN 6 mm; ID 0.24 inch, 0.8 MPa; 8 bar; 116 psi	-	2309635				
60	◆ High pressure hose Airless, 1/4 NPSM, DN 4 mm; ID 0.16 inch, 10 m; 32.8 ft, 27 MPa; 270 bar; 3920 psi	-	9984573-10	-	-	-	
61	◆ High pressure hose Airless, 1/4 NPSM, DN 4 mm; ID 0.16 inch, 15 m; 49.2 ft, 27 MPa; 270 bar; 3920 psi	-	9984573-15	-	-	-	
62	◆ High pressure hose Airless, 1/4 NPSM, DN 4 mm; ID 0.16 inch, 20 m; 65.6 ft, 27 MPa; 270 bar; 3920 psi	-	9984573-20		-		
63	High pressure filter HPF-3 NPSM 3/8", with ball valve made of stainless steel	367178					
64	◆ Sealing ring A18x22x2.5 AL	9974112					
65	◆ Suction hose paint assy. Niro DN 13 mm; ID 0.5 inch, 1 m; 3.28 ft, M36x2	97073					
66	Quick coupling with hose nozzle	9998811					
67	Lifting screw	9907133					
68	◆ O-ring PTFE (spare part for pos. 21)	367527					
69	◆ O-ring FEP (spare part for pos. 21)	9974127					
70	◆ Washer PTFE (spare part for pos. 21)	367959					

◆ Wearing part

List Accessories		WILDCAT 10-70	WILDCAT 18-40	PUMA 28-40	PUMA 15-70	PUMA 21-110	PUMA 15-150
Pos K	Description	No.	No.	No.	No.	No.	No.
71	Lifting trolley	367031					
72	Lifting trolley pneumatic	367032					
73	Wall lifting gear	367035					
74	Wall lifting gear pneumatic	367036					
75	Reducing double nipple G 1 1/2" -G 1"	-	-	-	368964		
76	Suction elbow	-	-	-	118232		
77	Suction hose with bend	-	-	-	369959		
78	Suction hose G 1 1/2"	-	-	-	115859		
79	Filter 1 1/2", MW 1.25 mm; MW 0.05 inch	-	-	-	115857		
80 ♦	Return hose DN 13 mm; ID 0.5 inch assy.	367189					
81	Return tube HPF assy.	367188					
82	Adapter ring R1 1/4"- R1 1/2"	-	-	-	115189		

♦ Wearing part

7.2 ACCESSORIES FOR LEOPARD AND JAGUAR PUMPS



List accessories		LEOPARD 35-70	LEOPARD 35-150	LEOPARD 48-110	JAGUAR 75-150
Item K	Description	No.	No.	No.	No.
A	Piston pump PE/TG	368103	368106	368023	369121
A	Piston pump PE/T	368105	368107	368024	369123
A	Piston pump PE/L	-	368109	368025	369122
A	Piston pump PE/TG Valve tappet	368123	-	-	-
A	Piston pump PE/T Valve tappet	368125	-	-	-
1	Separating fluid 250 ml; 250 cc	9992504			
2	Earthing cable 3 m; 9.8 ft	236219			
3 ♦	Filter pressure regulator with plastic bow	367187	-	-	-
4 ♦	Metal bowl for 367187	115985	-	-	-
8	Stand 6 with wheels assy.	368121	-	-	-
9	Mounting for wall assy.	368020			369020
10	Suction system 352 fixed	367986			
11 ♦	Sealing ring A18x22x2.5 Cu	9925024			
12	Reducing double nipple with 2x 60°, G 3/8" -NPSM 3/8"	367555			
15 ♦	Filter DN 25 mm; ID 1 inch, MW 0.8 mm, M28x1.5	250245			
16 ♦	Filter DN 25 mm; ID 1 inch, MW 1.25 mm, M28x1.5	250243			
17 ♦	Filter DN 25 mm; ID 1 inch, MW 1.0 mm, M28x1.5	344341			
18 ♦	Filter DN 13 mm; ID 0.5 inch, MW 0.8 mm, M15x1	250244			
19 ♦	Suction filter bag MW 0.3 mm; 0.01 inch	97531			
20	Barrel suction pipe DN 25 mm; ID 1 inch	115175			
21 ♦	Suction hose flexible DN 25 mm; ID 1 inch	367140			
22 ♦	Extension hose DN 25 mm; ID 1 inch	115285			
23 ♦	Extension hose DN 13 mm; ID 0.5 inch	115284			
24	Suction elbow M36x2	97075			
25	Air cap LV (red)	394910	-	-	-
26	Air cap HV (blue)	394911	-	-	-
27	AirCoat gun GM 4100AC, 25 MPa; 250 bar; 3626 psi, NPSM 1/4"	394012	-	-	-
28	AirCoat gun GM 4700AC, 25 MPa; 250 bar; 3626 psi, NPSM 1/4"	2313585	-	-	-
29 ♦	Nozzle ACF3000 -> see nozzle list in gun manual	379HHH...	-	-	-

♦ Wearing part

List accessories		LEOPARD 35-70	LEOPARD 35-150	LEOPARD 48-110	JAGUAR 75-150
Item K	Description	No.	No.	No.	No.
30	Airless gun AG-14, NPSM 1/4", 27 MPa; 270 bar; 3920 psi with nozzles holder standard	257017			-
31 ♦	Nozzles standard, 27 MPa; 270 bar; 3920 psi	90HHH			
35 ♦	Hose set material AC DN3, Air DN6, consisting of paint-, air- and protective hose. <i>Material:</i> NPSM 1/4", 7.5 m; 24.6 ft, DN 3 mm; ID 0.12 inch, 27 MPa; 270 bar; 3916 psi <i>Air:</i> G1/4", 7.5 m; 24.6 ft, DN 6 mm; ID 0.24 inch, 0.8 MPa; 8 bar; 116 psi	2309705	-	-	-
36 ♦	Hose set material AC DN4, Air DN6, consisting of paint-, air- and protective hose. <i>Material:</i> NPSM 1/4", 7.5 m; 24.6 ft, DN 4 mm; ID 0.16 inch, 27 MPa; 270 bar; 3916 psi <i>Air:</i> G1/4", 7.5 m; 24.6 ft, DN 6 mm; ID 0.24 inch, 0.8 MPa; 8 bar; 116 psi	2309706	-	-	-
37 ♦	High-pressure hose Airless, 1/4 NPSM, DN 4 mm; ID 0.16 inch, 7.5 m; 24.6 ft, 27 MPa; 270 bar; 3920 psi	9984573			-
38 ♦	High-pressure hose Airless, 1/4 NPSM, DN 3 mm; ID 0.12 inch, 7.5 m; 24.6 ft, 27 MPa; 270 bar; 3920 psi	9984583			-
39	Tool set	368870			
40	High pressure filter HPF-3, NPSM 3/8", with ball valve made of steel	367175			
42 ♦	Sealing ring A17x21x1.5 AL	9974111			
43	Double nipple G3/8" -M20x2	367962			
44 ♦	Return hose DN 13 mm; ID 0.5 inch, M20x2	367141			
45	Return tube HPF	367126			
46	Mounting for wall assy. for HP-filter (for pos. 40 or 63)	367115			
48	Adapter NPSM 3/8" I -NPSM 1/4" A	367562			
49	Adapter NPSM 3/8" I -M16x1.5 A	367563			
50	Airless gun AG-14, NPSM 1/4", 27 MPa; 270 bar; 3920 psi with nozzles holder Tip Wagner	257015	-	-	-
51 ♦	Nozzles Tip nozzles, 27 MPa; 270 bar; 3920 psi	1088HHH	-	-	-

♦ Wearing part

List accessories		LEOPARD 35-70	LEOPARD 35-150	LEOPARD 48-110	JAGUAR 75-150
Item K	Description	No.	No.	No.	No.
52	Airless gun AG-14 with Profi Tip HD, NPSM 1/4", 27 MPa; 270 bar; 3920 psi	347016			-
53 ♦	Nozzle Wagner ProfiTip HP...	1006HHH			
55	Separating fluid 10 l; 2.6 gal	356940			
57 ♦	Hose set material AC DN4, Air DN6, consisting of paint-, air- and protective hose. <i>Material:</i> NPSM 1/4", 10 m; 32.8 ft, DN 4 mm; ID 0.16 inch, 27 MPa; 270 bar; 3916 psi <i>Air:</i> G1/4", 10 m; 32.8 ft; DN 6 mm; ID 0.24 inch, 0.8 MPa; 8 bar; 116 psi	2312801	-	-	
58 ♦	Hose set material AC DN4, Air DN6, consisting of paint-, air- and protective hose. <i>Material:</i> NPSM 1/4", 15 m; 49.2 ft, DN 4 mm; ID 0.16 inch, 27 MPa; 270 bar; 3916 psi <i>Air:</i> G1/4", 15 m; 49.2 ft, DN 6 mm; ID 0.24 inch, 0.8 MPa; 8 bar; 116 psi	2309634	-	-	
59 ♦	Hose set material AC DN4, Air DN6, consisting of paint-, air- and protective hose <i>Material:</i> NPSM 1/4", 20 m; 65.6 ft, DN 4 mm; ID 0.16 inch, 27 MPa; 270 bar; 3916 psi <i>Air:</i> G1/4", 20 m; 65.6 ft, DN 6 mm; ID 0.24 inch, 0.8 MPa; 8 bar; 116 psi	2309635	-	-	
60 ♦	High pressure hose Airless, 1/4 NPSM, DN 4 mm; ID 0.16 inch, 10 m; 32.8 ft, 27 MPa; 270 bar; 3920 psi	9984573-10			-
61 ♦	High pressure hose Airless, 1/4 NPSM, DN 4 mm; ID 0.16 inch, 15 m; 49.2 ft, 27 MPa; 270 bar; 3920 psi	9984573-15			-
62 ♦	High pressure hose Airless, 1/4 NPSM, DN 4 mm; ID 0.16 inch, 20 m; 65.6 ft, 27 MPa; 270 bar; 3920 psi	9984573-20			-
63	High pressure filter HPF-3 NPSM 3/8" with ball valve made of stainless steel	367178			
64 ♦	Sealing ring A18x22x2.5 AL	9974112			
65 ♦	Suction hose paint assy. Niro DN 13 mm; ID 0.5 inch, 1 m; 3.28 ft, M36x2	97073	-	-	
66	Quick coupling with hose nozzle	9998811			
67	Lifting screw	9907133			-
68 ♦	O-ring PTFE (spare part for pos. 21)	367527			

♦ Wearing part

List accessories		LEOPARD 35-70	LEOPARD 35-150	LEOPARD 48-110	JAGUAR 75-150
Item K	Description	No.	No.	No.	No.
69 ♦	O-ring FEP (spare part for pos. 21)	9974127			
70 ♦	Washer PTFE (spare part for pos. 21)	367959			
71	Lifting trolley	367031	368032		369031
72	Lifting trolley pneumatic	367032			369033
73	Wall lifting gear	367035	368036		369035
74	Wall lifting gear pneumatic	367036			369037
75	Reducing double nipple G 1 1/2" -G 1"	368964			
76	Suction elbow	118232			
77	Suction hose with bend	369959			
78	Suction hose G 1 1/2"	115859			
79	Filter 1 1/2", MW 1.25 mm; MW 0.05 inch	115857			
80	Trolley Heavy Duty	-	369024		
81	Mounting for wall: Pump 90° rotated	368030			-
82	Airless gun G-15, NPSM 1/4", 53 MPa; 530 bar; 7690 psi with nozzles holder Tip Wagner	-	-	347011 -	
83	Airless gun G-15, NPSM 1/4", 53 MPa; 530 bar; 7690 psi with nozzles holder standard	-	-	347001	
84	Airless gun G-15, NPSM 1/4", 53 MPa; 530 bar; 7690 psi with ProfiTip HP	-	-	347012	
85	High pressure hose, NPSM 3/8", DN 10 mm; ID 0.39 inch, 15 m; 49.2 ft, 53 MPa; 530 bar; 7690 psi	-	-	9987118	
86	Double nipple A=3/8" NPSM A=1/4" NPSM	-	-	367561	
87	High pressure hose, NPSM 1/4", DN 6 mm; ID 0.24 inch, 1.5 m; 4.92 ft, 53 MPa; 530 bar; 7690 psi	-	-	9987117	
88 ♦	Return hose DN 13 mm; ID 0.5 inch, assy.	367189			
89	Return tube HPF assy.	367188			
90	Adapter ring R1 1/4" - R1 1/2"	115189			

♦ Wearing part

8 SPARE PARTS

8.1 HOW TO ORDER SPARE PARTS?

Always supply the following information to ensure delivery of the right spare part:

Part Number, description and quantity

The quantity need not be the same as the number given in the „Quantity“ column. This number merely indicates how many of the respective parts are used in each sub assembly.



The following information is also required to ensure smooth processing of your order:

- Address for the invoice
- Address for delivery
- Name of the person to be contacted in the event of any queries
- Type of delivery required (air freight or mail, sea route or overland route, etc.)

Marks in spare parts lists

Note to column „K“ in the following spare parts lists.

- ◆ = Wearing parts
Note: No liability is assumed for wearing parts
- = Not part of standard equipment, available, however, as additional extra.

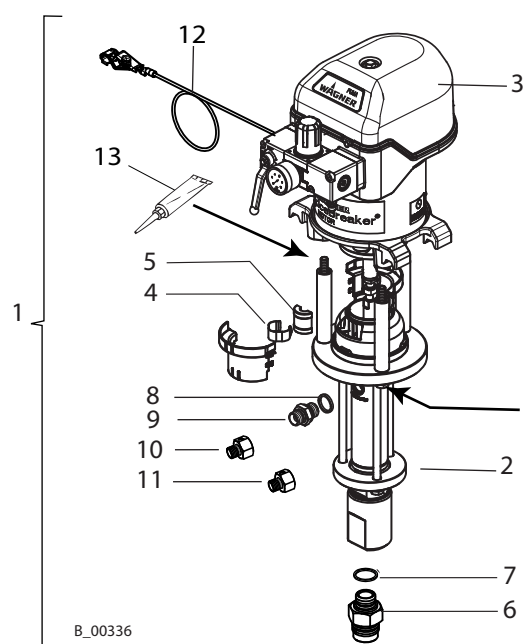
	<div style="text-align: center;">  WARNING </div> <p>Incorrect maintenance/repair! Risk of injury and damage to the equipment</p> <ul style="list-style-type: none"> → Repairs and part replacement may only be carried out by specially trained staff or a WAGNER service center. → Before all work on the unit and in the event of work interruptions: <ul style="list-style-type: none"> - Switch off the energy/compressed air supply. - Relieve the pressure from the spray gun and unit. - Secure the spray gun against actuation. → Observe the operating and service instructions when carrying out all work.
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The service instructions manual is available in various languages. See chapter 1.1

8.2 OVERVIEW MODULES

		WILDCAT 10-70 PE/TG	WILDCAT 10-70 PE/T	WILDCAT 18-40 PE/TG	WILDCAT 18-40 PE/T	WILDCAT 18-40 PE/TG Valve tappet	WILDCAT 18-40 PE/T Valve tappet
Item	Description	No.	No.	No.	No.	No.	No.
1	Piston pump	366112	366113	366110	366111	366105	366106
2	Material pump	368070	368076	367070	367072	367074	2302057
3	Air motor	366080	366080	366080	366080	366080	366080
4	Spring	367530					
5	Coupling	367579		367529			
6	Double nipple	368958 (M36x2- G 1")		367958 (M36x2- G 3/4")			
7	Sealing ring	9974110		9974109			
8	Sealing ring	9925024					
9	Double nipple (G 3/8" -NPSM 3/8")	367556					
10	Adapter (NPSM 3/8" -NPSM1/4")	367562					
11	Adapter (NPSM 3/8" -M16x1.5)	367563					
12	Earthing cable compl.	236219					
13	Molykote DX grease	9992616					
Tightening torque Air motor/ Material pump		25 Nm; 18 lbft					
Tightening torque pos. 6		160 Nm; 118 lbft					
Tightening torque pos. 9		100 Nm; 74 lbft					



Tightening torque pos. 2 with 3

B_00336

		PUMA 28-40 PE/TG	PUMA 28-40 PE/T	PUMA 28-40 PE/TG ESS	PUMA 15-70 PE/TG	PUMA 15-70 PE/T
Item	Description	No.	No.	No.	No.	No.
1	Piston pump	367103	367105	367119	367106	367107
2	Material pump	367070	367072	367073	368070	368076
3	Air motor	367080				
4	Spring	367530				
5	Coupling	367529			367579	
6	Double nipple	367958 (M36x2 -G 3/4")			368958 (M36x2 -G 1")	
7	Sealing ring	9974109			9974110	
8	Sealing ring	9925024				
9	Double nipple (G 3/8" -NPSM 3/8")	367556				
10	Adapter (NPSM 3/8" -NPSM1/4")	367562				
11	Adapter (NPSM 3/8" -M16x1.5)	367563				
12	Earthing cable compl.	236219				
13	Molykote DX grease	9992616				
Tightening torque Air motor/ Material pump		25 Nm; 18 lbft				
Tightening torque pos. 6		160 Nm; 118 lbft			200 Nm; 148 lbft	
Tightening torque pos. 9		100 Nm; 74 lbft				

		PUMA 15-150 PE/TG	PUMA 15-150 PE/T	PUMA 21-110 PE/TG	PUMA 21-110 PE/L
Item	Description	No.	No.	No.	No.
1	Piston pump	368114	368115	2319960	2319953
2	Material pump	368071	368073	368077	368079
3	Air motor	367083			
4	Spring	367530			
5	Coupling	367579			
6	Double nipple (M36x2 -G 1")	368958			
7	Sealing ring	9974110			
8	Sealing ring	9925024			
9	Double nipple (G 3/8" -NPSM 3/8")	367556			
10	Adapter (NPSM 3/8" -NPSM1/4")	367562			
11	Adapter (NPSM 3/8" -M16x1.5)	367563			
12	Earthing cable compl.	236219			
13	Molykote DX grease	9992616			
Tightening torque Air motor/ Material pump		50 Nm; 37 lbft			
Tightening torque pos. 6		200 Nm; 148 lbft			
Tightening torque pos. 9		100 Nm; 74 lbft			

OPERATING MANUAL





		LEOPARD 35-70 PE/TG	LEOPARD 35-70 PE/T	LEOPARD 35-150 PE/TG	LEOPARD 35-150 PE/T	LEOPARD 35-150 PE/L
Item	Description	No.	No.	No.	No.	No.
1	Piston pump	368103	368105	368106	368107	368109
2	Material pump	368070	368076	368071	368073	368072
3	Air motor	368080		368081		
4	Spring	368530				
5	Coupling	368529				
6	Double nipple (M36x2 -G 1")	368958				
7	Sealing ring	9974110				
8	Sealing ring	9925024				
9	Double nipple (G 3/8" -NPSM 3/8")	367556				
10	Adapter (NPSM 3/8" -NPSM1/4")	367562				
11	Adapter (NPSM 3/8" -M16x1.5)	367563				
12	Earthing cable compl.	236219				
13	Molykote DX grease	9992616				
Tightening torque Air motor/ Material pump		25 Nm; 18 lbft		50 Nm; 37 lbft		
Tightening torque pos. 6		200 Nm; 148 lbft				
Tightening torque pos. 9		100 Nm; 74 lbft				

		LEOPARD 48-110 PE/TG	LEOPARD 48-110 PE/T	LEOPARD 48-110 PE/L
Item	Description	No.	No.	No.
1	Piston pump (NPSM)	368023	368024	368025
2	Material pump	368077	368078	368079
3	Air motor	368081		
4	Spring	368530		
5	Coupling	368529		
6	Double nipple (M36x2 -G 1")	368958		
7	Sealing ring	9974110		
8	Sealing ring	9925024		
9	Double nipple (G 3/8" -NPSM 3/8")	367556		
10	Adapter (NPSM 3/8" -NPSM1/4")	367562		
11	Adapter (NPSM 3/8" -M16x1.5)	367563		
12	Earthing cable compl.	236219		
13	Molykote DX grease	9992616		
Tightening torque Air motor/ Material pump		50 Nm; 37 lbft		
Tightening torque pos. 6		200 Nm; 148 lbft		
Tightening torque pos. 9		100 Nm; 74 lbft		

		JAGUAR 75-150 PE/TG	JAGUAR 75-150 PE/T	JAGUAR 75-150 PE/L
Item	Description	No.	No.	No.
1	Piston pump (NPSM)	369121	369123	369122
2	Material pump	368071	368073	368072
3	Air motor	369080	369080	369080
4	Spring	368530		
5	Coupling	368529		
6	Double nipple	368958		
7	Sealing ring	9974110		
8	Sealing ring	9925024		
9	Double nipple (NPSM)	367556		
10	Adapter (NPSM 3/8" -NPSM1/4")	367562		
11	Adapter (NPSM 3/8" -M16x1.5)	367563		
12	Earthing cable compl.	236219		
13	Molykote DX grease	9992616		
Tightening torque Air motor/ Material pump		50 Nm; 37 lbft		
Tightening torque pos. 6		200 Nm; 148 lbft		
Tightening torque pos. 9		100 Nm; 74 lbft		

8.3 AIR MOTORS**8.3.1 AIR MOTORS WILDCAT, PUMA, LEOPARD**

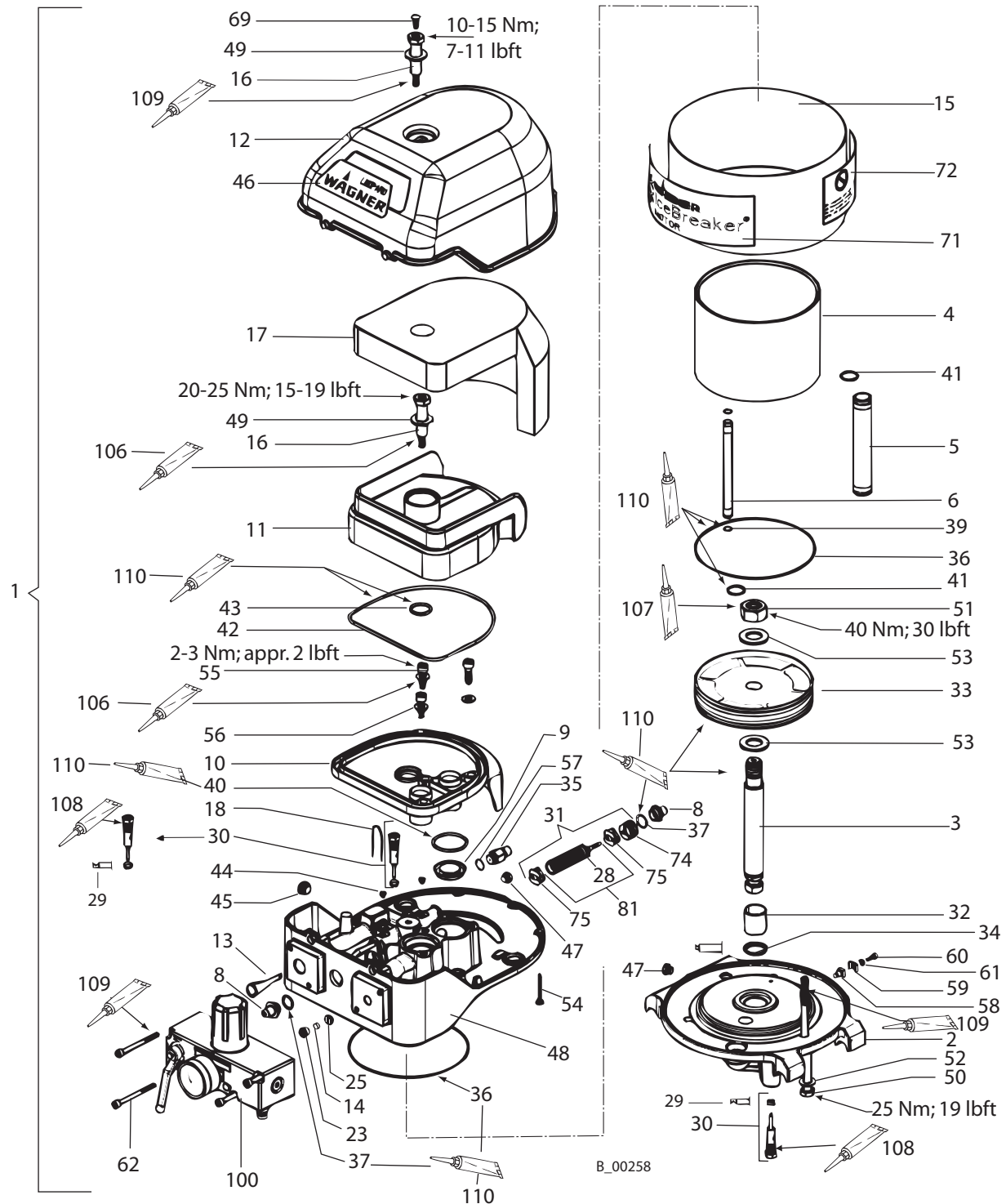
	 WARNING
	<p>Incorrect maintenance/repair! Risk of injury and damage to the equipment</p> <p>→ Repairs and part replacement may only be carried out by specially trained staff or a WAGNER service center.</p> <p>→ Before all work on the unit and in the event of work interruptions:</p> <ul style="list-style-type: none"> - Switch off the energy/compressed air supply. - Relieve the pressure from the spray gun and unit. - Secure the spray gun against actuation. <p>→ Observe the operating and service instructions when carrying out all work.</p>

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Spare parts list Air motor			WILDCAT Ø80mm/ H75mm Ø3.1inch/ S3inch		PUMA Ø100mm/ H75mm Ø4inch/ S3inch		PUMA Ø100mm/ H150mm Ø4inch/ S6inch		LEOPARD Ø150mm/ H75mm Ø6inch/ S3inch		LEOPARD Ø150mm/ H150mm Ø6inch/ S6inch	
			Qty	No.	Qty	No.	Qty	No.	Qty	No.	Qty	No.
1		Air motor		366080		367080		367083		368080		368081
2		Flange	1	367316	1	367316	1	367316	1	368316	1	368316
3		Piston rod	1	367302	1	367302	1	367402	1	368302	1	368402
4		Cylinder rod	1	366303	1	367303	1	367403	1	368303	1	368403
5		Compressed air pipe	1	367304	1	367304	1	367404	1	368304	1	368404
6		Control air pipe	1	367305	1	367305	1	367405	1	367305	1	367405
8		Stopper	2	367307	2	367307	2	367307	2	367307	2	367307
9	◆★	Seal, outlet	2	L414.06C	2	L414.06C	2	L414.06C	2	L423.06	2	L423.06
10		Connection piece	1	367309	1	367309	1	367309	1	368309	1	368309
11		Sound absorber	1	367310	1	367310	1	367310	1	368310	1	368310
12		Hood	1	367311	1	367311	1	367311	1	368311	1	368311
13	◆★	Filter, compressed air	1	367313	1	367313	1	367313	1	367313	1	367313
14	◆★	Filter, control air	1	367314	1	367314	1	367314	1	367314	1	367314
15		Casing	1	367312	1	367312	1	367412	1	368312	1	368412
16		Shoulder screw	2	367318	2	367318	2	367318	2	368324	2	368324
17	◆	Sound absorbing mat	1	367319	1	367319	1	367319	1	368319	1	368319
18		Spring pin	2	367320	2	367320	2	367320	2	368320	2	368320
19		Distributor	1	367321	1	367321	1	367321	1	368321	1	368321

◆ = Wearing parts

★ = Included in service set

**Do not dismount the piston (81)**

Spare parts list Air motor			WILDCAT Ø80mm/ H75mm Ø3.1inch/ S3inch		PUMA Ø100mm/ H75mm Ø4inch/ S3inch		PUMA Ø100mm/ H150mm Ø4inch/ S6inch		LEOPARD Ø150mm/ H75mm Ø6inch/ S3inch		LEOPARD Ø150mm/ H150mm Ø6inch/ S6inch	
Item	K	Description	Qty	No.	Qty	No.	Qty	No.	Qty	No.	Qty	No.
20	◆	Pressure regulator	1	9998676	1	9998676	1	9998676	1	9999506	1	9999506
20	◆	Pressure regulator XR-15 (special accessory)		-		-		-	1	9999554	1	9999554
21	◆	Angle ball valve	1	367061	1	367061	1	367061	1	368061	1	368061
22		Connection piece	2	367322	2	367322	2	367322	2	368322	2	368322
23		Filter location	1	367324	1	367324	1	367324	1	367324	1	367324
24		Stop washer SW9 180	1	9943114	1	9943114	1	9943114	1	9943114	1	9943114
25		Throttle		-		-		-	1	367325	1	367325
26		Handle SW9	1	9943115	1	9943115	1	9943115	1	9943115	1	9943115
27		Hexagon screw	1	9943116	1	9943116	1	9943116	1	9943116	1	9943116
28	◆	O-ring	6	9971123	6	9971123	6	9971123	6	9974142	6	9974142
29	◆	Rod seal	2	9974217	2	9974217	2	9974217	2	9974217	2	9974217
30	◆	Pilot valve	2	369290	2	369290	2	369290	2	369290	2	369290
31	◆	Spool and sleeve assembly	1	9943080	1	9943080	1	9943080	1	9943081	1	9943081
32	◆	Permaglide bushing	1	9962018	1	9962018	1	9962018	1	9962019	1	9962019
33	◆	Piston, complete	1	9998663	1	9998661	1	9998661	1	9998662	1	9998662
34	◆★	Sealing-wiper ring	1	9974090	1	9974090	1	9974090	1	9974091	1	9974091
35		Safety valve	1	368288	1	368288	1	368288	1	368286	1	368287
36	◆★	O-ring	2	9974115	2	9974084	2	9974084	2	9974087	2	9974087
37	◆★	O-ring	2	9974085	2	9974085	2	9974085	2	9974085	2	9974085
39	◆★	O-ring	2	9974089	2	9974089	2	9974089	2	9974089	2	9974089
40	◆★	O-ring	2	9974095	2	9974095	2	9974095	2	9974096	2	9974096
41	◆★	O-ring	2	9971448	2	9971448	2	9971448	2	9971137	2	9971137
42	◆★	O-ring	1	9974097	1	9974097	1	9974097	1	9974100	1	9974100
43	◆★	O-ring	1	9974098	1	9974098	1	9974098	1	9974101	1	9974101
44		Threaded plug	2	9998674	2	9998674	2	9998674	2	9998674	2	9998674
45		Threaded plug	2	9998274	2	9998274	2	9998274	2	9998274	2	9998274
46		Sticker WAGNER	1	366804	1	367804	1	367804	1	368804	1	368804
47		Threaded plug	2	9998675	2	9998675	2	9998675	2	9998675	2	9998675
48		Hose connection	1	367315	1	367315	1	367315	1	368315	1	368315
49		Washer	2	9925033	2	9925033	2	9920106	2	9925026	2	9925026
50		Hexagon screw	3	9900225	3	9900225	3	9907121	3	9900225	3	9907121

◆ = Wearing parts

★ = Included in service set

Spare parts list Air motor		WILDCAT Ø80mm/ H75mm Ø3.1inch/ S3inch		PUMA Ø100mm/ H75mm Ø4inch/ S3inch		PUMA Ø100mm/ H150mm Ø4inch/ S6inch		LEOPARD Ø150mm/ H75mm Ø6inch/ S3inch		LEOPARD Ø150mm/ H150mm Ø6inch/ S6inch	
		Qty	No.	Qty	No.	Qty	No.	Qty	No.	Qty	No.
51	Hexagon nut	1	9910101	1	9910101	1	9910101	1	9910605	1	9910605
52	Washer	3	9920106	3	9920106	3	9920106	3	9920106	3	9920106
53	Washer	1	9920107	1	9920107	1	9920107	2	9920110	2	9920110
54	Screw SFS	2	9907126	2	9907126	2	9907126	3	9907125	3	9907125
55	Cap head screw M6x16	3	9900325	3	9900325	3	9900325	3	9900313	3	9900313
56	Washer	3	9920103	3	9920103	3	9920103	3	9920102	3	9920102
57	◆★ Seal ring	1	9970149	1	9970149	1	9970149	1	9970149	1	9970149
58	Base	1	9952668	1	9952668	1	9952668	1	9952668	1	9952668
59	Clamping strap	1	9952667	1	9952667	1	9952667	1	9952667	1	9952667
60	Cap head screw	1	9900701	1	9900701	1	9900701	1	9900701	1	9900701
61	Spring washer	1	9921505	1	9921505	1	9921505	1	9921505	1	9921505
62	Cap head screw	4	9900316	4	9900316	4	9900316	4	9906011	4	9906011
63	◆★ O-ring	1	9974086	1	9974086	1	9974086	1	9974086	1	9974086
64	O-ring	1	3055026	1	3055026	1	3055026	1	3055026	1	3055026
65	O-ring	2	9974105	2	9974105	2	9974105	2	9974102	2	9974102
66	Seal ring	2	9970149	2	9970149	3	9970149	2	9970148	2	9970148
67	Pressure gauge	1	9998677	1	9998677	1	9998677	1	9998725	1	9998725
69	Pin	1	9998718	1	9998718	1	9998718	1	9998718	1	9998718
70	Plug-in nipple	1	9998810	1	9998810	1	9998810	1	9998813	1	9998813
71	Sticker IceBreaker	1	367806	1	367806	1	367806	1	367806	1	367806
72	Warning sign	1	367807	1	367807	1	367807	1	367807	1	367807
74	◆ Detent body, assy. ISO 1/2	1	368038	1	368038		368038	1	368038	1	368038
75	◆ Absorber ISO 1/2	2	368313	2	368313	2	368313	2	368313	2	368313
76	◆ O-ring		-		-		-	1	368979	1	368979
77	◆ Membrane assy.		-		-		-	1	368969	1	368969
78	◆ Piston assy.		-		-		-	1	368971	1	368971
79	◆ Pressure spring		-		-		-	1	368978	1	368978
80	◆ Wheel	1	2315535	1	2315535	1	2315535		-		-
81	◆ Spool and sleeve ass. ISO 1 or ISO 2	1	9943097	1	9943097	1	9943097	1	9943098	1	9943098
82	◆ Damping washer	-	-	-	-	-	-	1	2308733	1	2308733
100	Pressure regulator assy. (with pos. 62)	1	367060	1	367060	1	367060	1	368060	1	368060

◆ = Wearing parts

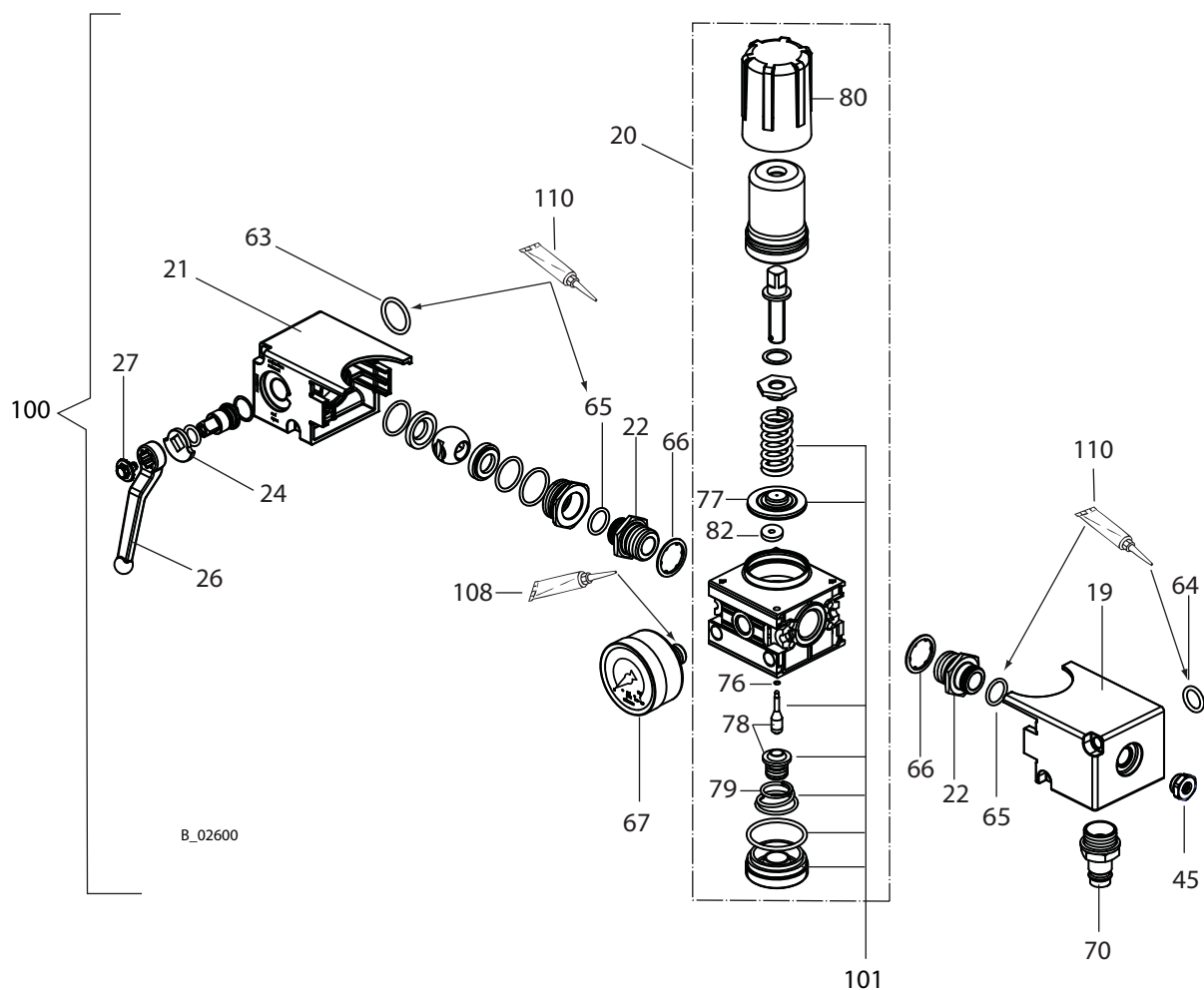
★ = Included in service set

**Spare parts list
Air motor**



Item	K	Description	WILDCAT Ø80mm/ H75mm Ø3.1inch/ S3inch		PUMA Ø100mm/ H75mm Ø4inch/ S3inch		PUMA Ø100mm/ H150mm Ø4inch/ S6inch		LEOPARD Ø150mm/ H75mm Ø6inch/ S3inch		LEOPARD Ø150mm/ H150mm Ø6inch/ S6inch	
			Qty	No.	Qty	No.	Qty	No.	Qty	No.	Qty	No.
101		Wear parts set for pos. 20	1	0115943	1	115943	1	115943		-	-	-
106		Loctite 222 50 ml; cc		9992590		9992590		9992590		9992590		9992590
107		Loctite 243 50 ml; cc		9992511		9992511		9992511		9992511		9992511
108		Loctite 542 50 ml; cc		9992831		9992831		9992831		9992831		9992831
109		Molykote DX Grease		9992616		9992616		9992616		9992616		9992616
110		Grease Beacon		9998808		9998808		9998808		9998808		9998808
		Service set	1	366995	1	367995	1	367995	1	368995	1	368995

◆ = Wearing parts

★ = Included in service set

8.3.2 REGULATOR FOR AIR MOTORS WILDCAT, PUMA AND LEOPARD

8.3.3 AIR MOTOR JAGUAR

	 WARNING
	<p>Incorrect maintenance/repair! Risk of injury and damage to the equipment</p> <ul style="list-style-type: none"> → Repairs and part replacement may only be carried out by specially trained staff or a WAGNER service center. → Before all work on the unit and in the event of work interruptions: <ul style="list-style-type: none"> - Switch off the energy/compressed air supply. - Relieve the pressure from the spray gun and unit. - Secure the spray gun against actuation. → Observe the operating and service instructions when carrying out all work.

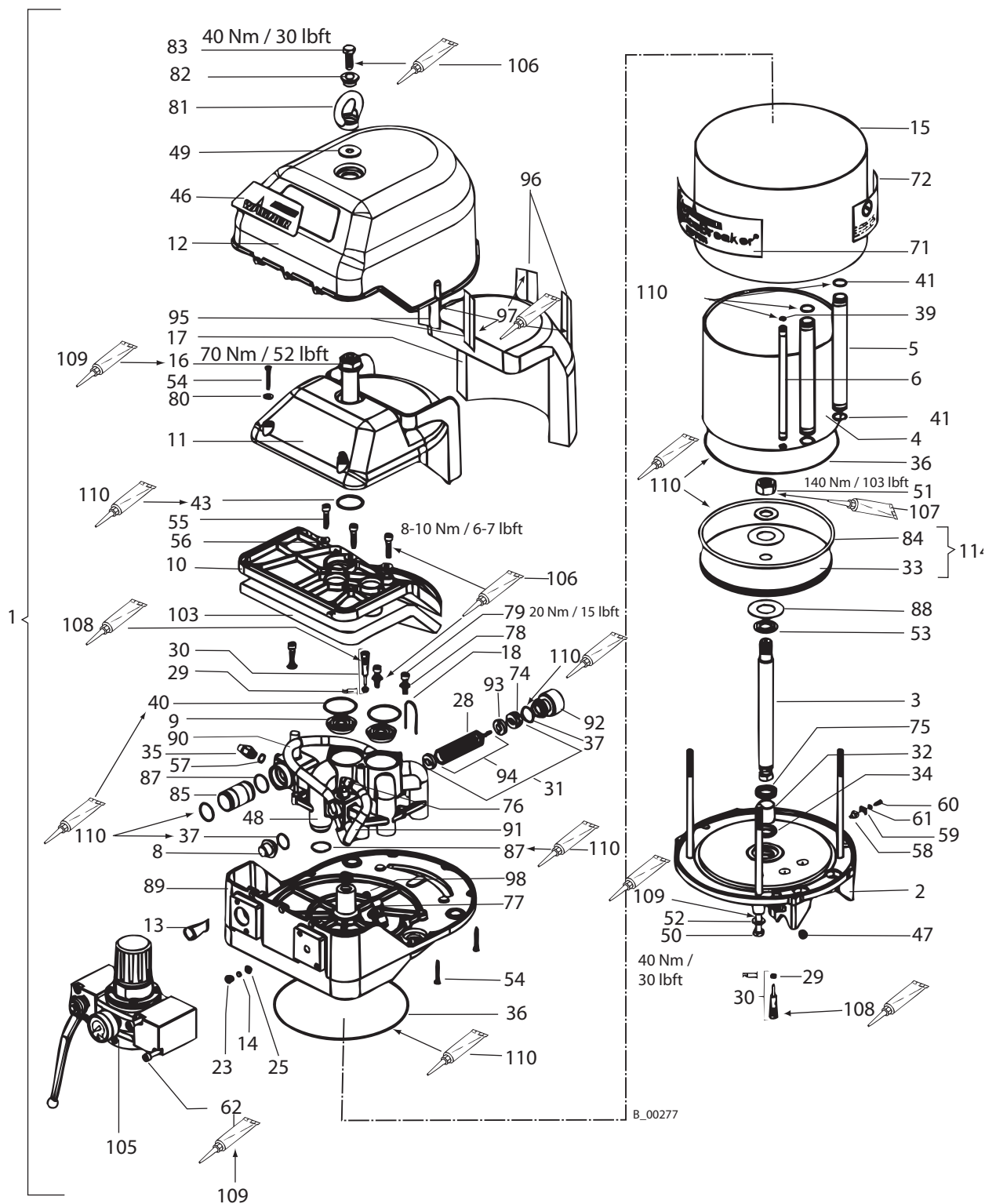
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Spare parts list
Air motor JAGUAR
JAGUAR
ø220mm
H150mm
ø8.7inch/
S6inch

Item	K	Qty	Description	No.
1		1	Air motor	369080
2		1	Flange	369316
3	◆	1	Piston rod	368402
4		1	Cylinder jacket	369403
5		2	Compressed air pipe	368404
6		1	Control air pipe	367405
8		1	Sealing plug	369307
9	◆ ★	2	Seal, outlet	369312
10		1	Connection piece	369309
11		1	Sound absorber	369310
12		1	Cover	369905
13	◆ ★	1	Filter, compressed air	369313
14	◆ ★	1	Filter, control air	367314
15		1	Cylinder cover	369412
16		1	Shoulder screw	369318
17	◆	1	Sound absorbing mat	369906
18		2	Spring plug	369320
19		1	Distributor	369321
20	◆	1	Pressure regulator A25R-1	9999452
21	◆	1	Angle ball valve, compl.	369061
22		2	Connection piece	369322

◆ = Wearing parts

★ = Included in service set



**Spare parts list
Air motor JAGUAR****JAGUAR
ø220mm
H150mm
ø8.7inch/
S6inch**

Item	K	Qty	Description	No.
23		1	Filter location	367324
25		1	Throttle	367325
28	◆	6	O-ring	9974 143
29	◆	2	Rod seal	9974217
30	◆	2	Pilot valve	369290
31	◆	1	Spool and sleeve assy	369907
32	◆	1	Permaglide bushing	9962019
33		1	Piston 9	369385
34	◆ ★	1	Sealing-wiper ring	9974125
35		1	Safety valve	368286
36	◆ ★	2	O-ring	9974133
37	◆ ★	2	O-ring	9971056
39	◆ ★	2	O-ring	9974089
40	◆ ★	2	O-ring	9974132
41	◆ ★	4	O-ring	9971137
43	◆ ★	1	O-ring	9974165
46		1	Sticker WAGNER	369804
47		2	Threaded plug	9998675
48		1	Control housing	369315
49		1	Washer	9925034
50		4	Hexagon screw	9907137
51		1	Hexagon nut	9910605
52		4	Washer	9920106
53		2	Washer	369303
54		7	Screw SFS	9907125
55		3	Cheese-head screw	9900314
56		3	Washer	9925029
57	◆ ★	1	Sealing ring	9970149
58		1	Base	9952668
59		1	Clamping strap	9952667
60		1	Cheese-head screw	9900701
61		1	Spring washer	9921505
62		4	Cheese-head screw	9907078
63	◆ ★	1	O-ring	3051679
64	◆ ★	1	O-ring	9971092
65	◆ ★	2	O-ring	9971009
66	◆ ★	2	Sealing ring	9974135

◆ = Wearing parts

★ = Included in service set

**Spare parts list
Air motor JAGUAR****JAGUAR
ø220mm
H150mm
ø8.7inch/
S6inch**

Item	K	Qty	Description	No.
67	◆	1	Pressure gauge	9998725
68	◆	1	O-ring	115437
71		1	Sticker Ice Breaker	367806
72		1	Danger sign	367807
73		1	Cone plug	9990543
74	◆	1	Detent body	369027
75		1	Rod seal profile E5	9974124
76		2	L-fitting	9992757
77		1	T-fitting	9992758
78		4	Washer	9920102
79		4	Cheese-head screw	9900313
80		2	Washer	9925031
81		1	Ring nut	369325
82		1	Shoulder ring	369324
83		1	Hexagon screw	9900150
84	◆ ★	1	O-ring	9974262
85		1	Air tube	369306
86		2	Cylindrical bolt	9930834
87	◆	3	O-ring	9971004
88		2	Piston washer	369304
89		1	Control flange	369317
90		1	Air hose back	369026
91		1	Air hose front	369025
92		1	Stop space 9	369326
93	◆	2	Damper ISO3	369329
94	◆	1	Spool & sleeve ISO3	9943131
95	◆	1	Velcro fastener adhesive part	9999151
96	◆	1	Velcro fastener coating part	9999152
97		1	Adhesive	9992816
98	◆	1	O-ring Viton B	9971372
99	◆	1	Stop washer SW14 180	9943117
100		1	Handle	9943118
101		1	Hexagon head screw with washer	9943119
102	◆	1	Diaphragm assy.	115435
103	◆	1	Soundproofing mat 9/12"	369330
104	◆	1	Hand wheel	115787
105		1	Pressure regulator unit complete	369060

◆ = Wearing parts

★ = Included in service set

Spare parts list

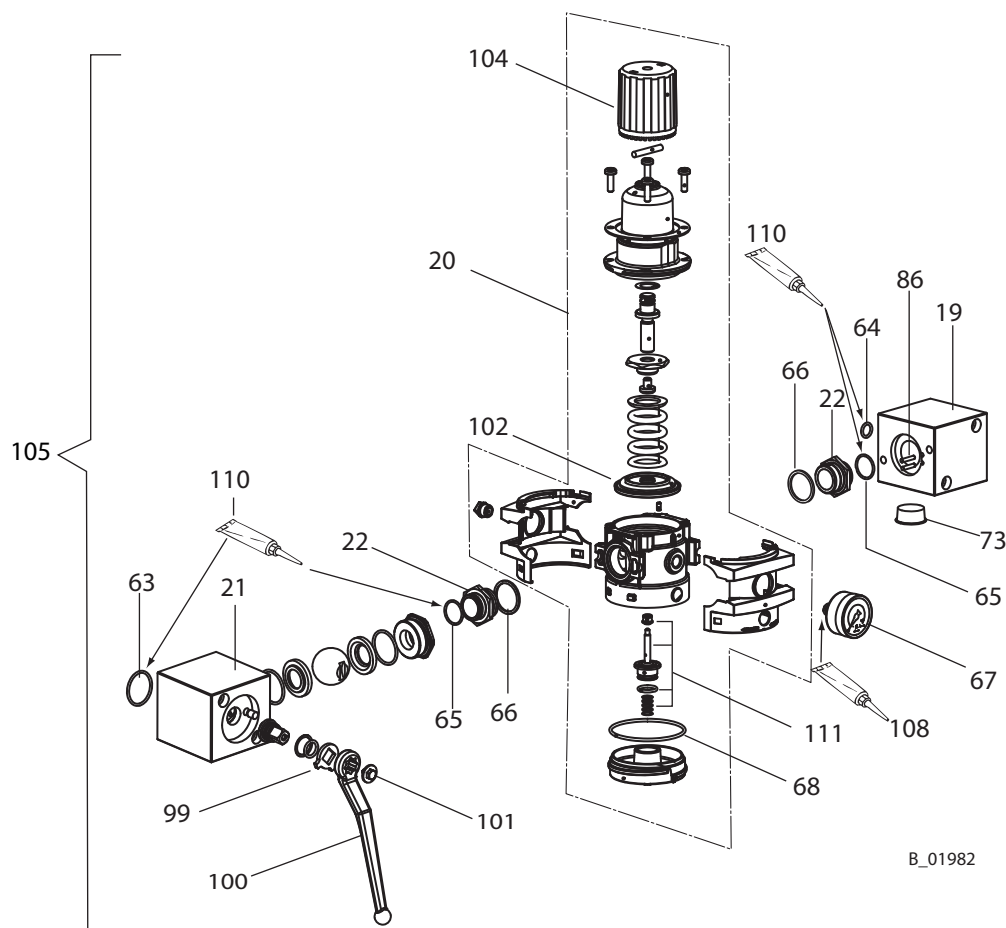
Air motor JAGUAR

Spare parts list Air motor JAGUAR			JAGUAR ø220mm H150mm ø8.7inch/ S6inch	
Item	K	Qty	Description	No.
106		1	Loctite 222 50 ml; 50 cc	9992590
107		1	Loctite 243 50 ml; 50 cc	9992511
108		1	Loctite 542 50 ml; 50 cc	9992831
109		1	Anti-sieze paste	9992616
110		1	Grease Beacon	9998808
111		1	Wear parts set for item 20	115436
112		1	Piston 9 with O-ring SOFT	369971
		1	Service Set	369987



◆ = Wearing parts

★ = Included in service set

8.3.4 REGULATOR FOR JAGUAR



8.4 MATERIAL PUMP**8.4.1 MATERIAL PUMP 40 CM³**

	 WARNING
	<p>Incorrect maintenance/repair! Risk of injury and damage to the equipment</p> <ul style="list-style-type: none"> → Repairs and part replacement may only be carried out by specially trained staff or a WAGNER service center. → Before all work on the unit and in the event of work interruptions: <ul style="list-style-type: none"> - Switch off the energy/compressed air supply. - Relieve the pressure from the spray gun and unit. - Secure the spray gun against actuation. → Observe the operating and service instructions when carrying out all work.

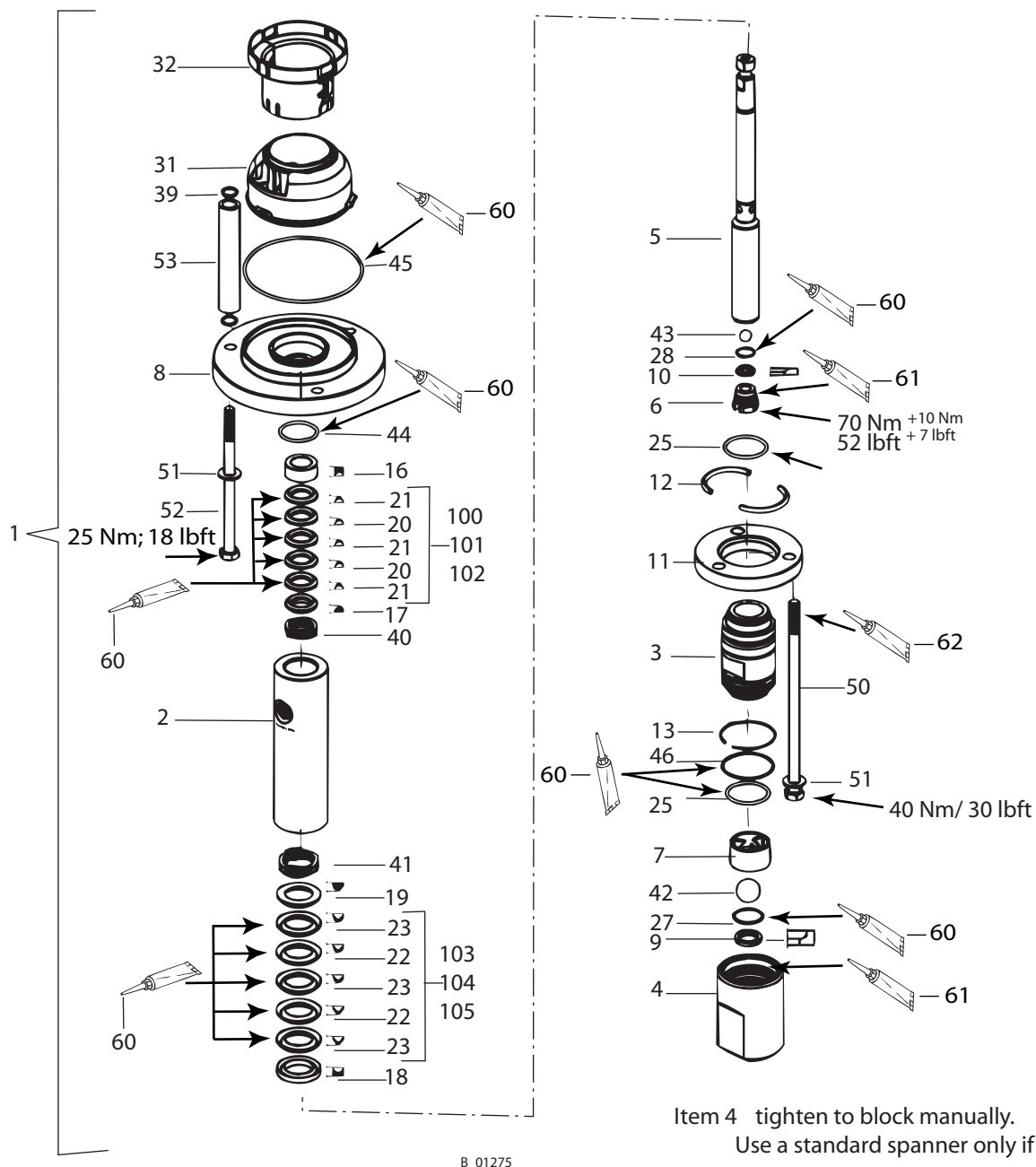
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Spare parts list Material pump				40 cm ³ PE/TG ESS	40 cm ³ PE/TG	40 cm ³ PE/L	40 cm ³ PE/T
Item	K	Qty	Material pump	No.	No.	No.	No.
1		1	Material pump	367073	367070	-	367072
2		1	Tube	367502			
3		1	Cylinder	367503			
4		1	Inlet housing	367504			
5 ♦		1	Piston	367505			
6		1	Valve screw	367506			
7 ♦★		1	Ball guide, inlet	367507			
8		1	Connection flange	367501			
9 ♦		1	Valve seat, inlet	367569	367509		
10 ♦		1	Valve seat, outlet	367570	367510		
11		1	Snap ring flange	367511			
12		2	Snap ring half	367512			
13		1	Securing ring	367513			
16		1	Support ring	367516			
17		1	Compression ring	367517			
18		1	Support ring	367518			
19		1	Compression ring	367519			
100 ♦			Packing PE/TG assy. (small)	115805			
101 ♦			Packing PE/T assy. (small)				123219

◆ = Wearing parts

★ = Included in service set

● = Special accessory




Spare parts list Material pump				40 cm ³ PE/TG ESS	40 cm ³ PE/TG	40 cm ³ PE/L	40 cm ³ PE/T
Item	K	Qty	Material pump	No.	No.	No.	No.
102	◆		Packing PE/L assy. (small)			115826	
20	◆★	2	Packing TG (small)	123398			
20	◆	2	Packing T (small)				123426
20	◆	2	Packing L (small)			123402	
21	◆★	3	Packing PE (small)	123427			
103	◆		Packing PE/TG assy. (large)	367991			
104	◆		Packing PE/T assy. (large)				367992
105	◆		Packing PE/L assy. (large)			367993	
22	◆★	2	Packing TG (large)	367522			
22	◆	2	Packing T (large)				367900
22	◆	2	Packing L (large)			367922	
23	◆★	3	Packing PE (large)	367523			
25	◆★	2	O-ring	367525			
27	◆★	1	O-ring	367527			
28	◆★	1	O-ring	367528			
31	◆	1	Separating fluid cup	367531			
32	◆	2	Coupling cover	367532			
39	◆★	6	O-ring	9974089			
40	◆★	1	Wave spring (small)	9998669			
41	◆★	1	Wave spring (large)	9998670			
42	◆★	1	Ball (large)	9941513			
43	◆★	1	Ball (small)	9941518			
44	◆★	1	O-ring	9974094			
45	◆★	1	O-ring	9974093			
46	◆★	1	O-ring	9974106			
50		3	Hexagon screw	9907124			
51		6	Washer	9920106			
52		3	Hexagon screw	9900225			
53		3	Connecting pipe	367306			
60			Grease Mobilux EP 2	9998808			
61			Anti-jamming paste Tube	9992609			
62			Molykote DX Grease paste	9992616			
		1	Service set PE/TG	367990			
		1	Service set PE/T				367994

◆ = Wearing parts

★ = Included in service set

● = Special accessory

8.4.2 MATERIAL PUMPS 70 CM³

	! WARNING
	<p>Incorrect maintenance/repair! Risk of injury and damage to the equipment</p> <p>→ Repairs and part replacement may only be carried out by specially trained staff or a WAGNER service center.</p> <p>→ Before all work on the unit and in the event of work interruptions:</p> <ul style="list-style-type: none"> - Switch off the energy/compressed air supply. - Relieve the pressure from the spray gun and unit. - Secure the spray gun against actuation. <p>→ Observe the operating and service instructions when carrying out all work.</p>

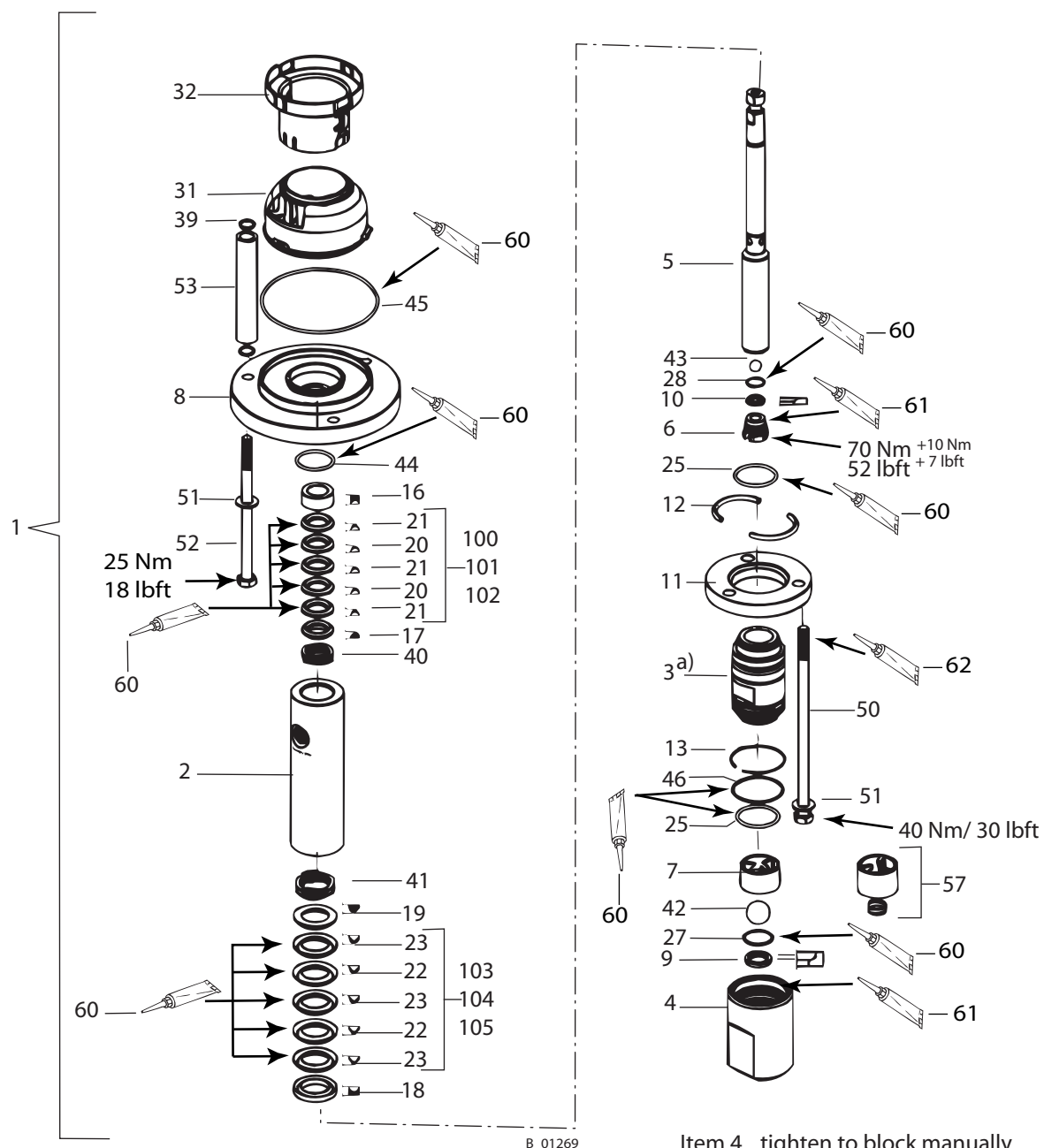
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Spare parts list Material pump			70 cm ³ PE/TG	70 cm ³ PE/L	70 cm ³ PE/T
Item	K	Qty	Description	No.	No.
1		1	Material pump	368070	368076
2		1	Tube	368502	
3		1	Cylinder	368503	
4		1	Inlet housing	368504	
5	◆	1	Piston	368505	
6		1	Valve screw	368506	
7	◆★	1	Ball guide, inlet	368507	
8		1	Connection flange	368501	
9	◆	1	Valve seat, inlet	368509	
10	◆	1	Valve seat, outlet	368510	
11		1	Snap ring flange	368511	
12		2	Snap ring half	368512	
13		1	Securing ring	368513	
16		1	Support ring	368516	
17		1	Compression ring	367519	
18		1	Support ring	368518	
19		1	Compression ring	368519	
100	◆		Packing PE/TG compl. (small)	367991	
101	◆		Packing PE/T compl. (small)		367992
102	◆		Packing PE/L compl. (small)		367993

◆ = Wearing parts

★ = Included in service set

● = Special accessory



Item 4 tighten to block manually
Use a standard spanner only if it's
necessary.
In this case use a spanner to
counter on item 3.

Spare parts list Material pump



			70 cm³ PE/TG	70 cm³ PE/L	70 cm³ PE/T
Item	K	Qty	Description	No.	No.
20	◆★	2	Packing TG (small)	367522	.
20	◆	2	Packing T (small)		367900
20	◆	2	Packing L (small)		367922
21	◆★	3	Packing PE (small)	367523	
103	◆		Packing PE/TG assy. (large)	368991	
104	◆		Packing PE/T assy. (large)		368992
105	◆		Packing PE/L assy. (large)		368993
22	◆★	2	Packing TG (large)	368522	
22	◆	2	Packing T (large)		368900
22	◆	2	Packing L (large)		368922
23	◆★	3	Packing PE (large)	368523	
25	◆★	2	O-ring	368525	
27	◆★	1	O-ring	368527	
28	◆★	1	O-ring	368528	
31	◆	1	Separating fluid cup	367531	
32	◆	2	Coupling cover	367532	
39	◆★	6	O-ring	9974089	
40	◆★	1	Wave spring (small)	9998670	
41	◆★	1	Wave spring (large)	9998671	
42	◆★	1	Ball (large)	9943082	
43	◆★	1	Ball (small)	9941512	
44	◆★	1	O-ring	9974092	
45	◆★	1	O-ring	9974093	
46	◆★	1	O-ring	9974107	
50		3	Hexagon screw	9907124	
51		6	Washer	9920106	
52		3	Hexagon screw	9900225	
53		3	Connecting pipe	367306	
57	●	3	Ball guide for high viscosity materials	369926	
60			Grease Mobilux EP 2	9998808	
61			Anti-jamming paste Tube	9992609	
62			Molykote DX Grease paste	9992616	
		1	Service set PE/TG	368990	
		1	Service set PE/T		368994

◆ = Wearing parts

★ = Included in service set

● = Special accessory

8.4.3 MATERIAL PUMP 110 CM³

	 WARNING
	<p>Incorrect maintenance/repair! Risk of injury and damage to the equipment</p> <ul style="list-style-type: none"> → Repairs and part replacement may only be carried out by specially trained staff or a WAGNER service center. → Before all work on the unit and in the event of work interruptions: <ul style="list-style-type: none"> - Switch off the energy/compressed air supply. - Relieve the pressure from the spray gun and unit. - Secure the spray gun against actuation. → Observe the operating and service instructions when carrying out all work.

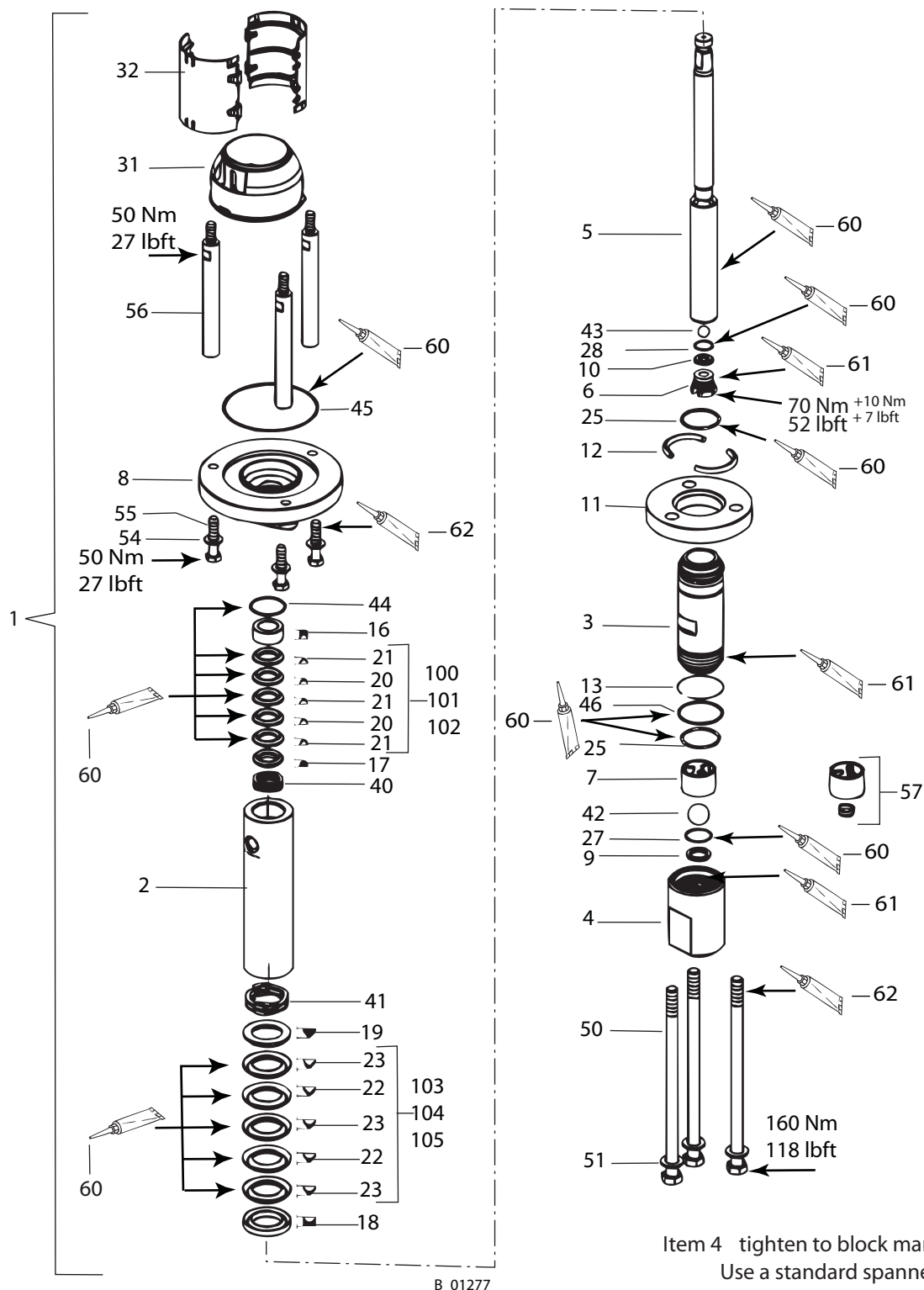
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Spare parts list Material pump				110 cm ³ PE/TG	110 cm ³ PE/L	110 cm ³ PE/T
Item	K	Qty	Description	No.	No.	No.
1		1	Material pump	368077	368079	368078
2		1	Tube		368434	
3		1	Cylinder		368435	
4		1	Inlet housing		368554	
5	◆	1	Piston		368433	
6		1	Valve screw		367506	
7	◆★	1	Ball guide inlet		368507	
8		1	Connection flange		368551	
9	◆	1	Valve seat, inlet		368509	
10	◆	1	Valve seat, outlet		367510	
11		1	Snap ring flange		368561	
12		2	Snap ring half		368512	
13		1	Securing ring		368513	
16		1	Support ring		368428	
17		1	Thrust collar		368425	
18		1	Support ring		368430	
19		1	Thrust collar		368432	
100	◆		Packing PE/TG compl. (small)	368253		
101	◆		Packing PE/T compl. (small)	-		368297
102	◆		Packing PE/L compl. (small)		368295	

◆ = Wearing parts

★ = Included in service set

● = Special accessory



Item 4 tighten to block manually
Use a standard spanner only if
it's necessary.
In this case use a spanner to
counter on item 3.



Spare parts list Material pump				110 cm ³ PE/TG	110 cm ³ PE/L	110 cm ³ PE/T
Item	K	Qty	Description	No.	No.	No.
20	◆★	2	Sealing collar TG (small)	368426		
20	◆★	2	Sealing collar T (small)			368436
20	◆	2	Sealing collar L (small)		368437	
21	◆★	3	Sealing collar PE (small)	368427		
103	◆		Packing PE/TG compl. (large)	368299		
104	◆		Packing PE/T compl. (large)			368296
105	◆		Packing PE/L compl. (large)		368294	
22	◆★	2	Sealing collar TG (large)	368429		
22	◆★	2	Sealing collar T (large)			368438
22	◆	2	Sealing collar L (large)		368439	
23	◆★	3	Sealing collar PE (large)	368431		
25	◆★	2	O-ring	368525		
27	◆★	1	O-ring	368527		
28	◆★	1	O-ring	367528		
31	◆	1	Separating fluid cup	368531		
32	◆	2	Coupling cover	368532		
40	◆★	1	Wave spring (small)	9998670		
41	◆★	1	Wave spring (large)	9998671		
42	◆★	1	Ball (large)	9943082		
43	◆★	1	Ball (small)	9941518		
44	◆★	1	O-ring	9974092		
45	◆★	1	O-ring	9974116		
46	◆★	1	O-ring	9974107		
50		3	Hexagon screw	9907142		
51		3	Washer	9925011		
54		3	Washer	9920107		
55		3	Hexagon screw	9900157		
56		3	Threaded bolt	368533		
57	●	3	Ball guide for high viscosity materials	369926		
60			Grease Mobilux EP 2	9998808		
61			Anti-sieze paste	9992609		
62			Molykote DX paste	9992616		
		1	Service Set PE/TG	368997		
		1	Service Set PE/T			2304930
		1	Service Set PE/L		2319924	

◆ = Wearing parts

★ = Included in service set

● = Special accessory

8.4.4 MATERIAL PUMPS 150 CM³

	 WARNING
	<p>Incorrect maintenance/repair! Risk of injury and damage to the equipment</p> <p>→ Repairs and part replacement may only be carried out by specially trained staff or a WAGNER service center.</p> <p>→ Before all work on the unit and in the event of work interruptions:</p> <ul style="list-style-type: none"> - Switch off the energy/compressed air supply. - Relieve the pressure from the spray gun and unit. - Secure the spray gun against actuation. <p>→ Observe the operating and service instructions when carrying out all work.</p>

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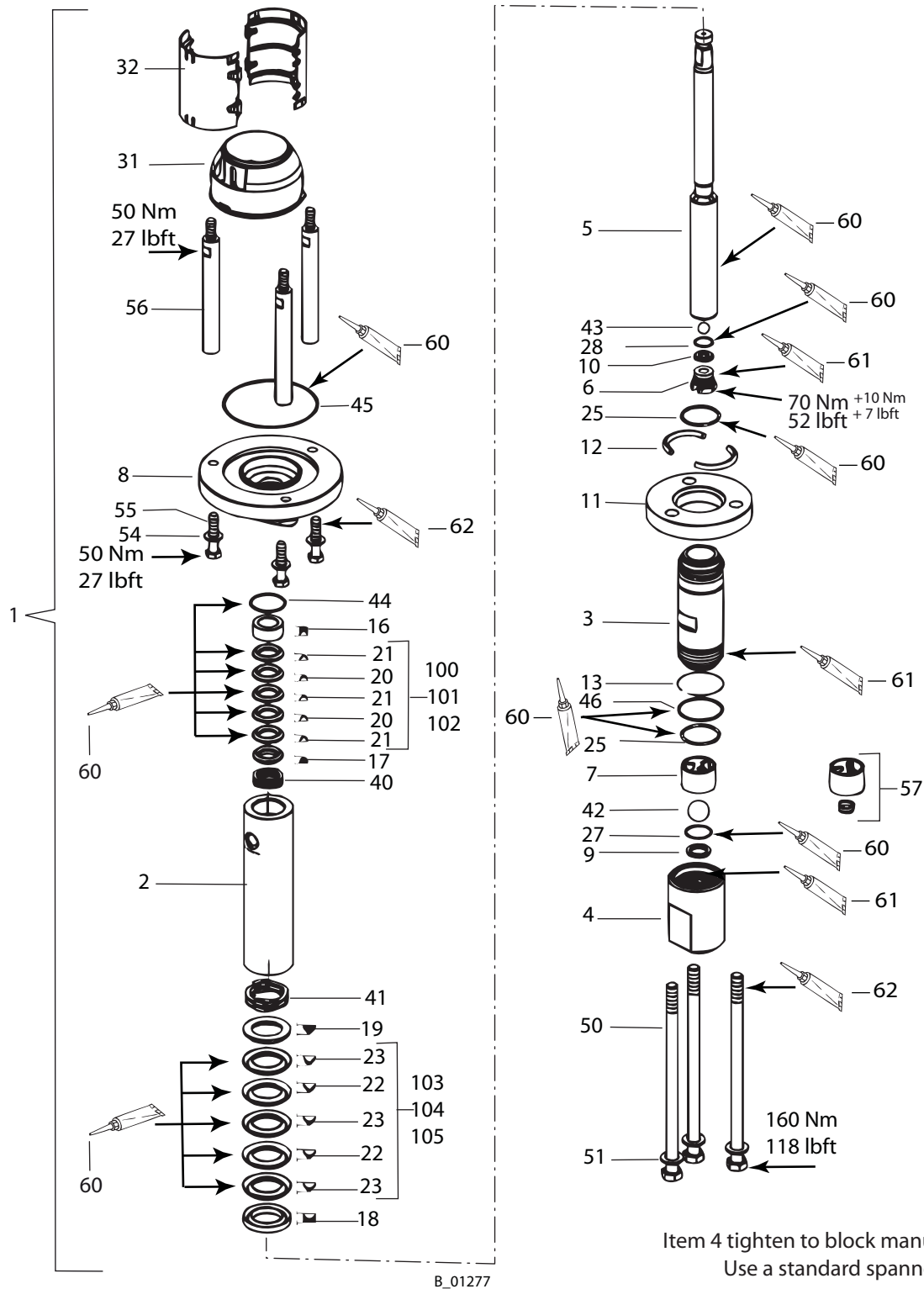
Spare parts list Material pump

				150 cm³ PE/TG	150 cm³ PE/L	150 cm³ PE/T
Item	K	Qty	Description	No.	No.	No.
1		1	Material pump	368071	368072	368073
2		1	Tube	368552		
3		1	Cylinder	368553		
4		1	Inlet housing	368554		
5	◆	1	Piston	368555		
6		1	Valve screw	368506		
7	◆★	1	Ball guide, inlet	368507		
8		1	Connection flange	368551		
9	◆	1	Valve seat, inlet	368509		
10	◆	1	Valve seat, outlet	368510		
11		1	Snap ring flange	368561		
12		2	Snap ring half	368512		
13		1	Securing ring	368513		
16		1	Support ring	368516		
17		1	Compression ring	367519		
18		1	Support ring	368518		
19		1	Compression ring	368519		
100	◆		Packing PE/TG assy. (small)	367991		
101	◆		Packing PE/T assy. (small)	-		367992
102	◆		Packing PE/L assy. (small)		367993	

◆ = Wearing parts

★ = Included in service set

● = Special accessory



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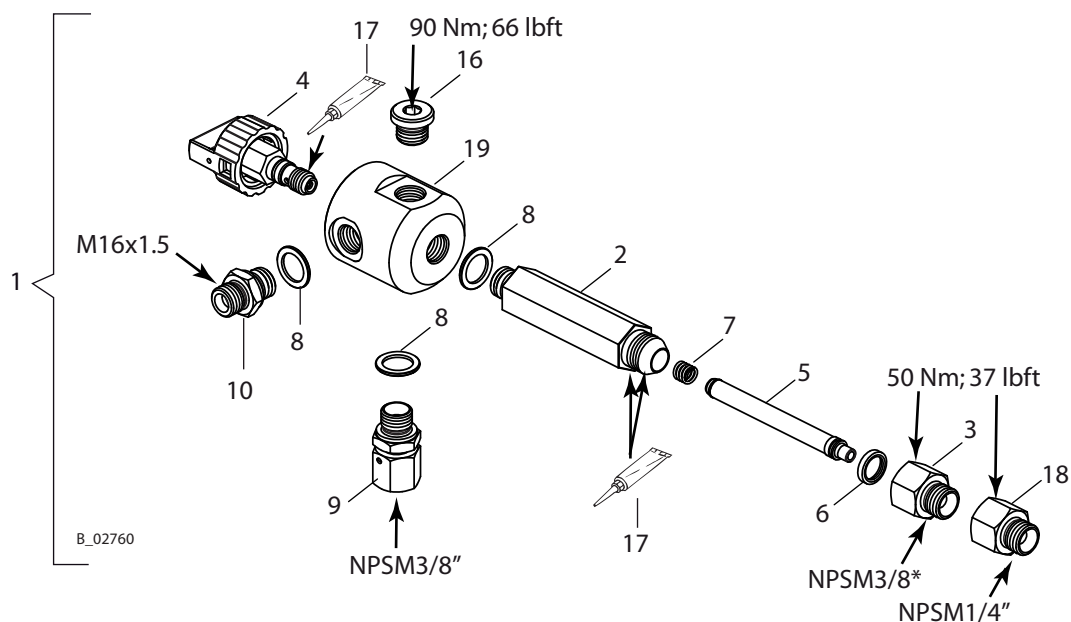
Spare parts list Material pump

				150 cm³ PE/TG	150 cm³ PE/L	150 cm³ PE/T
Item	K	Qty	Description	No.	No.	No.
20	◆★	2	Packing TG (small)	367522		
20	◆	2	Packing T (small)			367900
20	◆	2	Packing L (small)		367922	
21	◆★	3	Packing PE (small)	367523		
103	◆		Packing PE/TG assy. (large)	368991		
104	◆		Packing PE/T assy. (large)			368992
105	◆		Packing PE/L assy. (large)		368993	
22	◆★	2	Packing TG (large)	368522		
22	◆	2	Packing T (large)			368900
22	◆	2	Packing L (large)		368922	
23	◆★	3	Packing PE (large)	368523		
25	◆★	2	O-ring	368525		
27	◆★	1	O-ring	368527		
28	◆★	1	O-ring	368528		
31	◆	1	Separating fluid cup	368531		
32	◆	2	Coupling cover	368532		
40	◆★	1	Wave spring (small)	9998670		
41	◆★	1	Wave spring (large)	9998671		
42	◆★	1	Ball (large)	9943082		
43	◆★	1	Ball (small)	9941512		
44	◆★	1	O-ring	9974092		
45	◆★	1	O-ring	9974116		
46	◆★	1	O-ring	9974107		
50		3	Hexagon screw	9907142		
51		3	Washer	9925011		
54		3	Washer	9920107		
55		3	Hexagon screw	9900157		
56		3	Threaded bolt	368533		
57	●	3	Ball guide for high viscosity materials	369926		
60			Grease Mobilux EP 2	9998808		
61			Anti-jamming paste Tube	9992609		
62			Molykote DX Grease paste	9992616		
		1	Service set PE/TG	368990		
		1	Service set PE/T			368994

◆ = Wearing parts

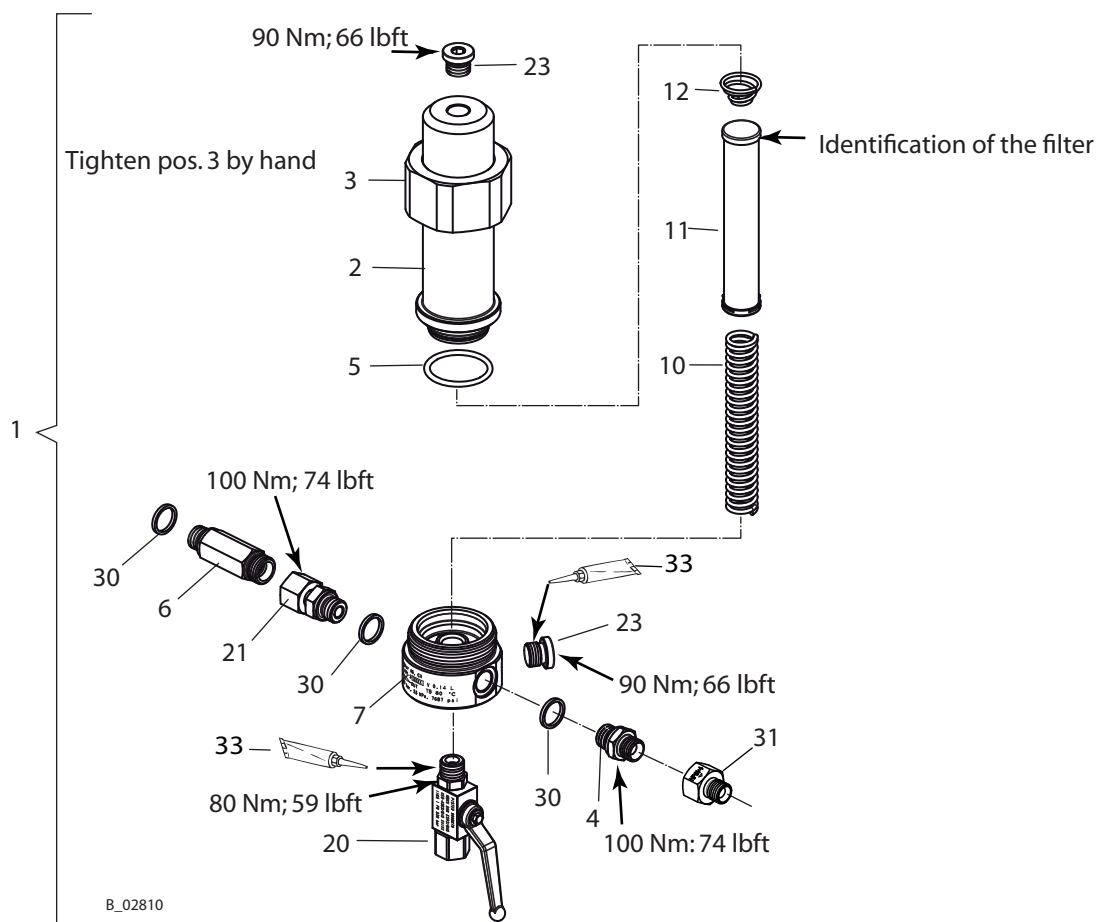
★ = Included in service set

● = Special accessory

8.5 FILTER-RELIEF COMBINATION

Item	K	Qty	Part No.	Description
1			367135	Filter relief combination
2		1	123469	Filter housing
3		1	367564	Adapter I=M20x1.5, A=NPSM3/8"
4	◆	1	169248	Relief valve assy.
5	◆	1	–	Filter cartridge*
			34383	* 200 mesh (red)
			43235	* 100 mesh (yellow) (standard)
			34377	* 50 mesh (white)
			89323	* 30 mesh (green)
6	◆	1	43303	Handle sealing washer
7	◆	1	43590	Compression spring
8	◆	3	9971525	Seal, U-Seal
9		1	367567	Swivel, assy.
10		1	123510	Double socket
16		1	9904312	Threaded plug
17			9992609	Anti-seize paste
18			367562	Adapter I=NPSM3/8", A=NPSM1/4"
19		1	115199	Release housing

◆ = Wearing parts

8.6 HIGH-PRESSURE FILTER

Ball valve version in:				Steel	Stainless steel
Item	K	Qty	Description	Part No.	Part No.
1			High pressure filter HPF-3 3/8"	367175	367178
2		1	Filter housing	367911	
3		1	Union nut	367912	
4		1	Reducing double nipple with 2x 60°	367556	
5	◆	1	O-ring	367914	
6		1	Screwed connector	367916	
7		1	Distribution housing	367910	
10		1	Filter support	9894245	
11	◆	1	Filter cartridges *		
			* Filter cartridge 200	295721	



◆ = Wearing parts

● = Not part of standard equipment for spray gun. Available, however, as additional extra

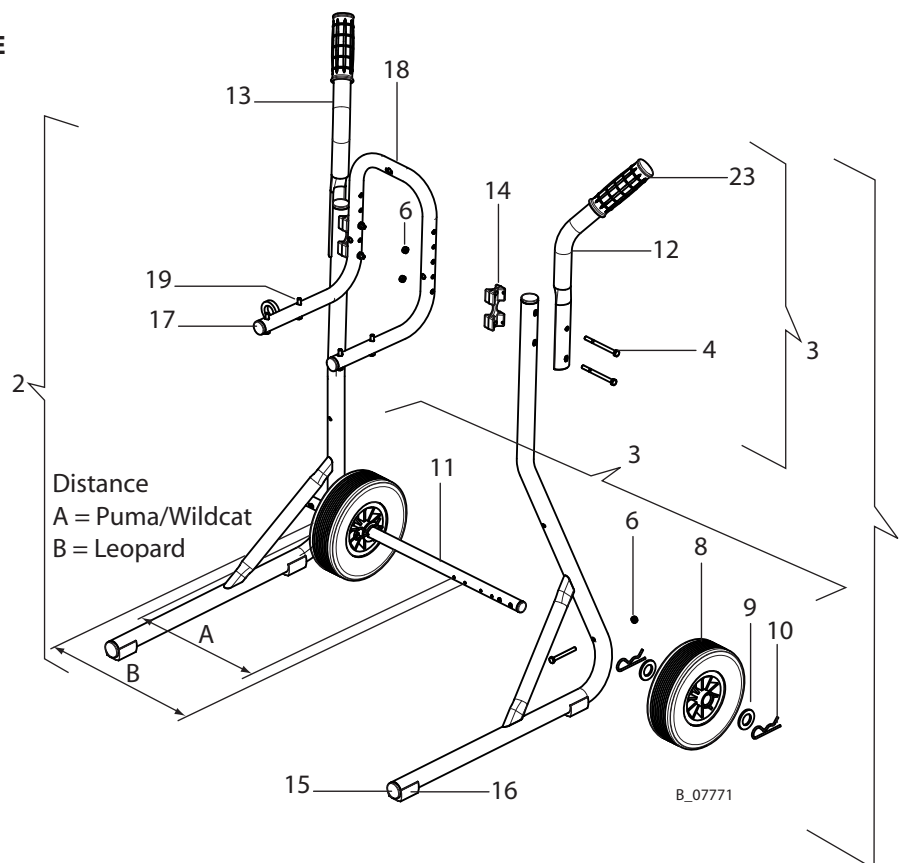
Ball valve version in:				Steel	Stainless steel
Item	K	Qty	Description	Part No.	Part No.
			* Filter cartridge 100		3514068
			* Filter cartridge 50		3514069
			* Filter cartridge 20		291564
12	◆	1	Cone spring		3514058
20	◆	1	Ball valve	9998679	9999159
21		1	Screwed connecting piece		9998680
23		2	Screw plug		9907127
30	◆	3	Sealing ring		9925024
31		1	Adapter I NPSM 3/8"- A NPSM 1/4"		367562
33	●	1	Loctite 542 50 ml; 50 cc		9992831

◆ = Wearing parts

● = Not part of standard equipment for spray gun. Available, however, as additional extra

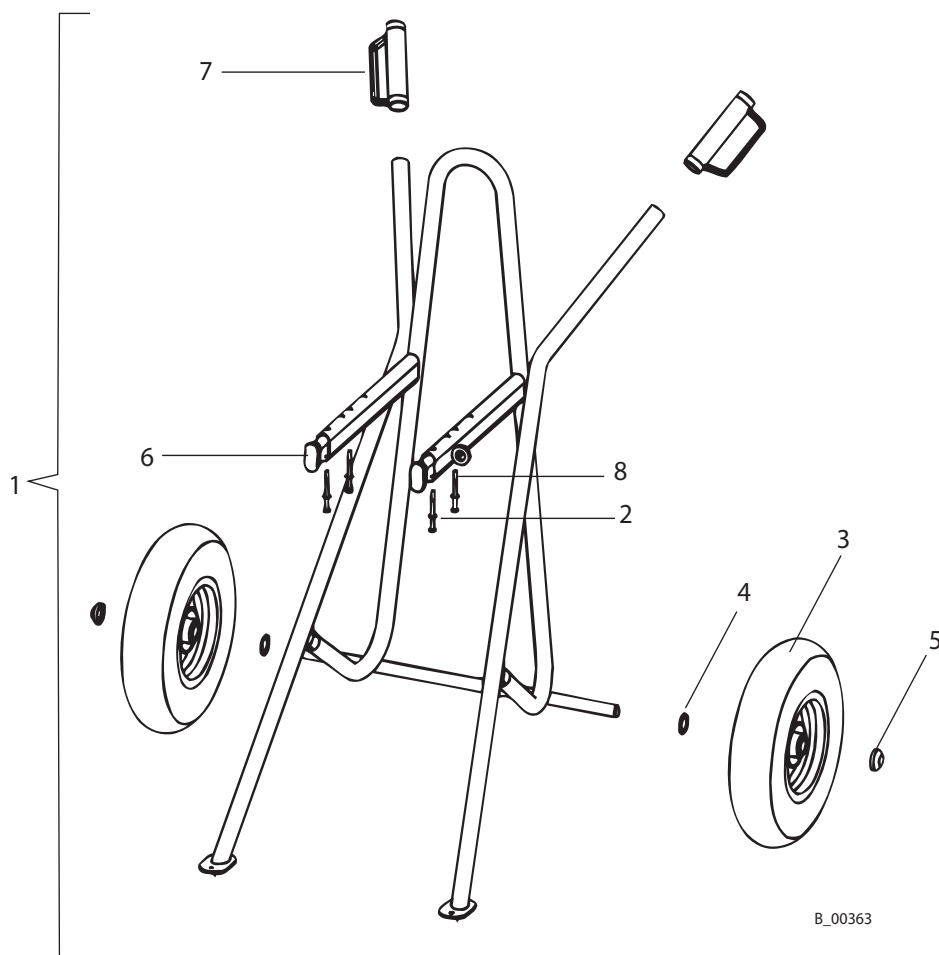
	 WARNING
	<p>Incorrect maintenance/repair! Danger to life and equipment damage</p> <ul style="list-style-type: none"> → Only a WAGNER service center or a suitably trained person may carry out repairs and replace parts. → Only repair and replace parts that are listed in the chapter "Spare parts catalog". → Before all work on the unit and in the event of work interruptions: <ul style="list-style-type: none"> - Disconnect the control unit from the mains. - Relieve the pressure from the spray gun and unit. - Secure the spray gun against actuation. → Observe the operating and service instructions when carrying out all work.

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8.7 CARRIAGE

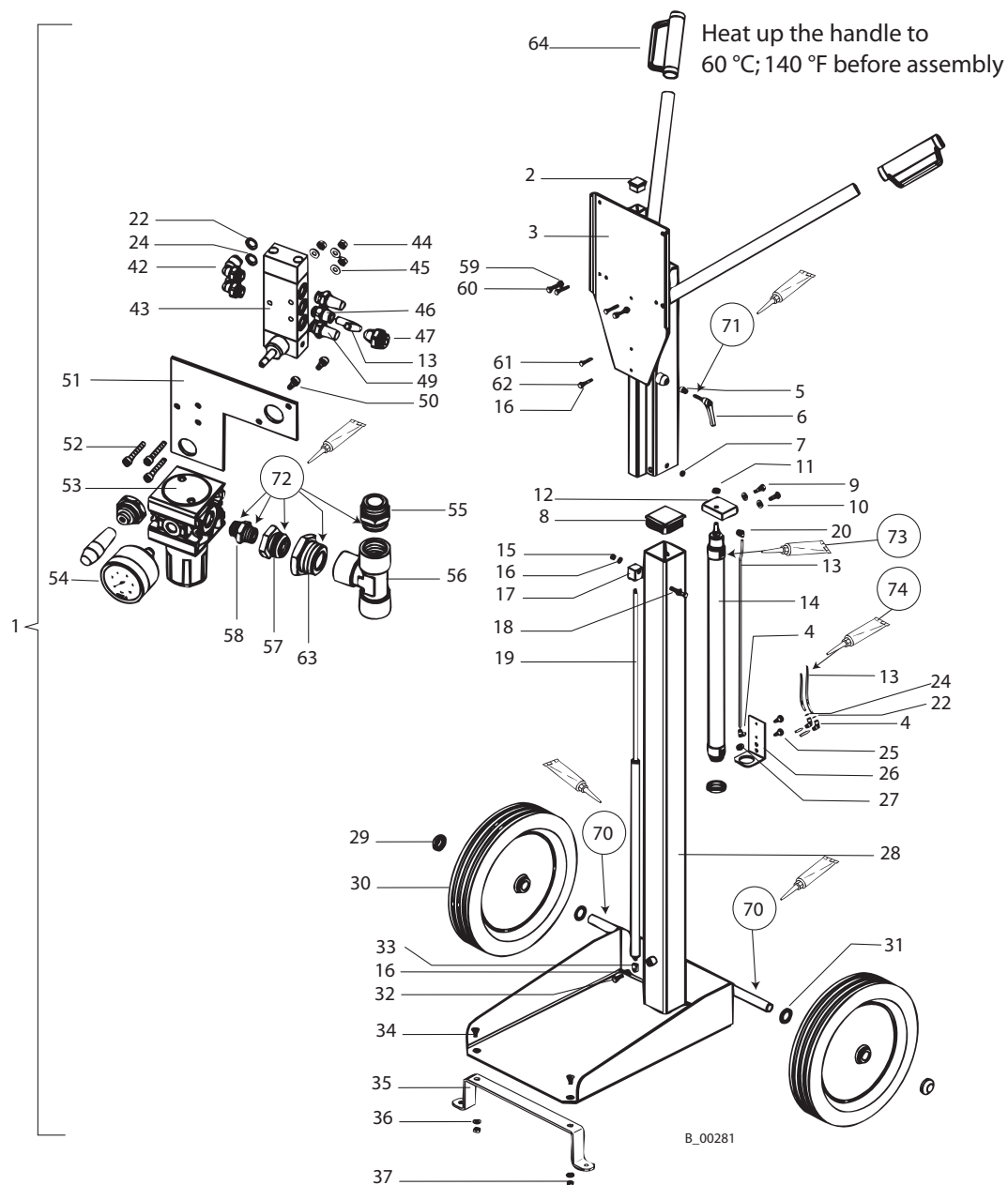
Item	K	Qty	Description	Part No. for Wildcat	Part No. for Puma	Part No. for Leopard
1		1	Trolley complete	367121		368121
2		1	Stand	367021		368021
3		1	Wheel set and handles	367022		
4		4	Hexagonal screw DIN931 M6x80	9907140		9907129
6		6	Hexagon nut with clamp M6	9910204		
8	◆	2	Wheel	2302671		
9		4	Washer	340372		
10		4	Spring pin	9995302		
11	◆	1	Wheel axle	367945		
12		1	Handle left	367946		
13		1	Handle right	367947		
14	◆	2	Connection part	367943		
15	◆	2	Tube plug ribbed	9990812		
16	◆	2	Saddle feet for round tubes	9998685		
17		2	Plug	9990861		9998687
18		1	Mounting for wall	367940		368940
19		4	Hexagon screw DIN931 M 6x..	9900218		9900126
20		2	Hexagon screw DIN933 M6x55	9907045		
23	◆	2	Handle	9998747		

◆ = Wearing parts

8.8 „HEAVY DUTY“ CARRIAGE

Item	K	Qty	Description	Part No. for Leopard	Part No. for Jaguar
1		1	Trolley Heavy Duty	369024	
2		4	Washer DIN125, A6.4 or A8.4	9920103	9920102
3	◆	2	Wheel	9998892	
4		2	Fixed washer	9998894	
5		2	Washer with plastic house	9998895	
6		2	Plug black	9998891	
7	◆	2	Handle with hand protection	9998893	
8		4	Hexagonal screw DIN931 M6x75 or M8x80	9907140	9900151

◆ = Wearing parts

8.9 LIFTING TROLLEY PNEUMATIC**Mounting materials**

Item	Qty	Part No.	Description
70	1	9998808	Grease Beacon EP2
71	1	9992528	Loctite 270
72	1	9992831	Loctite 542
73	2	9992610	Cable tie
74	3	9950615	Cable tie

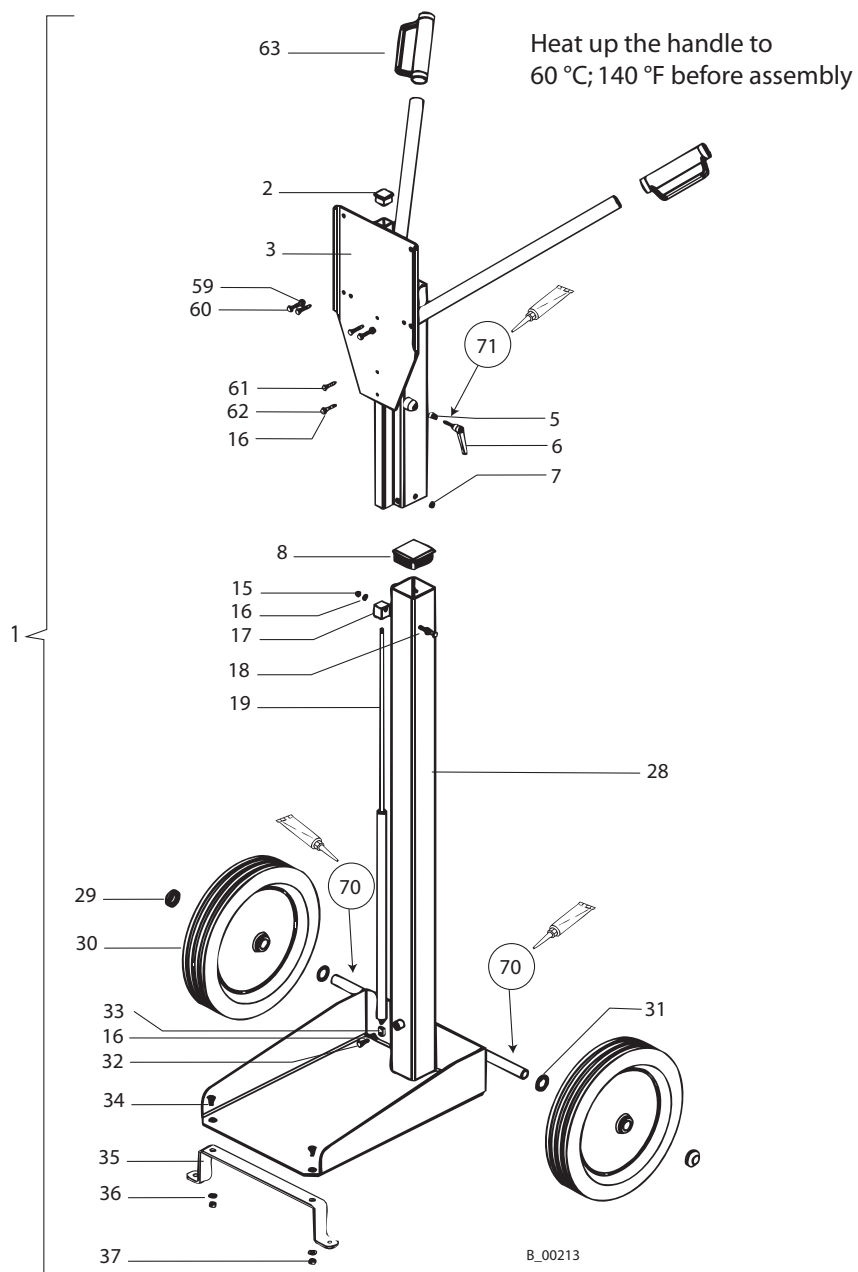
Spare parts list Lifting trolley pneumatic				WILDCAT PUMA LEOPARD	JAGUAR 500N	JAGUAR 700N
Item	K	Qty	Description	Part No.	Part No.	Part No.
1		1	Lifting trolley pneumatic assy.	367032	369032	369033
2		1	Cross head block	9999007	9999007	9999007
3		1	Lifting gear pneumatic	369237	369237	369237
4		3	Elbow hose connection	9999125	9999125	9999125
5		1	Joint thrust piece	9999008	9999008	9999008
6		1	Clamping lever	9998230	9998230	9998230
7	◆	14	Sliding plug	369706	369706	369706
8		1	Cross head block	9998232	9998232	9998232
9		2	Hexagon screw	9900107	9900107	9900107
10		2	Washer	9920106	9920106	9920106
11		1	Hexagon nut	9911016	9911016	9911016
12		1	Mounting-part	369732	369732	369732
13		1	Hose black 3.4 m; 11.15 ft	9982079	9982079	9982079
14	◆	1	Cylinder	9999388	9999388	9999388
15		1	Hexagon nut with clamp	9910208	9910208	9910208
16		8	Washer	9920102	9920102	9920102
17		1	Block	369702	369702	369702
18		1	Hexagon screw	9900125	9900125	9900125
19	◆	1	Gas pressure spring	9999010	9999010	9994288
20		1	Screwed elbow	9998250	9998250	9998250
22		2	Coding ring red	9998995	9998995	9998995
24		2	Coding ring green	9998994	9998994	9998994
25		2	Bolt	369724	369724	369724
26		1	Angle	369723	369723	369723
27		1	Screwed connecting piece, straight	9998255	9998255	9998255
28		1	Trolley rack pneumatic	369236	369236	369236
29		2	Washer with plastic house	9998895	9998895	9998895
30		2	Wheel assy.	9994922	9994922	9994922
31		2	Fixed washer	9998894	9998894	9998894
32		1	Hexagon screw	9900109	9900109	9900109
33		1	Joint eye on pipe	9999009	9999009	9999009
34		2	Countersunk screw	9907183	9907183	9907183
35		1	Stand base	369713	369713	369713
36		2	Washer	9920106	9920106	9920106
37		2	Hexagon nut	9910105	9910105	9910105

◆ = Wearing part

Spare parts list Lifting trolley pneumatic				WILDCAT PUMA LEOPARD	JAGUAR 500N	JAGUAR 700N
Item	K	Qty	Description	Part No.	Part No.	Part No.
42		2	Screwed elbow	9998110	9998110	9998110
43	◆	1	Way valve	9943120	9943120	9943120
44		3	Hexagon nut	9910108	9910108	9910108
45		3	Washer	9920104	9920104	9920104
46		1	Screwed connecting piece, straight	9998090	9998090	9998090
47		1	Screwed elbow	9998250	9998250	9998250
49		2	Sound absorber	9991761	9991761	9991761
50		2	Cap head screw	9900334	9900334	9900334
51		1	Mounting sheet	369721	369721	369721
52		3	Cap head screw	9900365	9900365	9900365
53	◆	1	Pressure regulator	9998676	9998676	9998676
54	◆	1	Pressure gauge	9998677	9998677	9998677
55		1	Double nipple	9985684	9999128	9999128
56		1	Connection T	9999109	9999126	9999126
57		1	Reducing nipple	9985685	9985685	9985685
58		1	Double nipple	9985720	9985720	9985720
59		2	Hexagon nut	9910107	9910107	9910107
60		2	Hexagon screw	9900123	9900123	9900123
61		1	Hexagon screw	9907195	-	-
62		3	Hexagon screw	9907196	9900130	9900130
63		1	Reducing nipple	-	9999127	9999127
64		2	Handle with hand protection black	9998893	9998893	9998893

◆ = Wearing part

8.10 LIFTING TROLLEY



Mounting materials

Item	Qty	Part No.	Description
70	1	9998808	Grease Beacon EP2
71	1	9992528	Loctite 270

Spare parts for lifting trolley

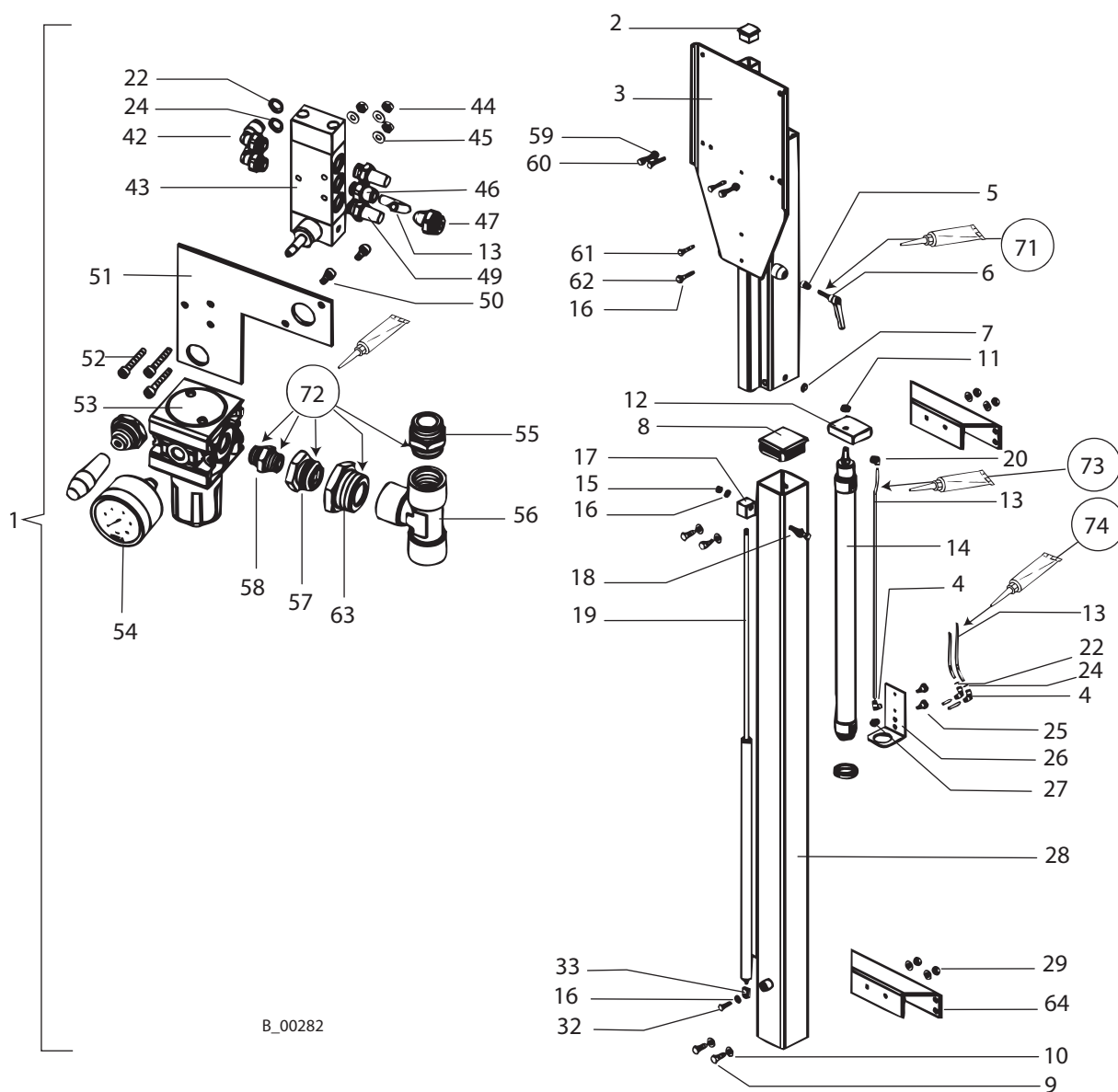
				WILDCAT PUMA LEOPARD 35-70 400N	LEOPARD 35-150 500N	JAGUAR 700N
Item	K	Qty	Description	Part No.	Part No.	Part No.
1		1	Lifting trolley assy.	367031	368032	369031
2		1	Cross head block	9999007	9999007	9999007
3		1	Lifting gear, welded	369262	369262	369262
5		1	Joint thrust piece	9999008	9999008	9999008
6		1	Clamping lever	9998230	9998230	9998230
7	◆	14	Sliding plug	369706	369706	369706
8		1	Cross head block	9998232	9998232	9998232
15		1	Hexagon nut with clamp	9910208	9910208	9910208
16		8	Washer	9920102	9920102	9920102
17		1	Block	369702	369702	369702
18		1	Hexagon screw	9900125	9900125	9900125
19	◆	1	Gas pressure spring	9994303	9999010	9994288
28		1	Trolley rack	369261	369261	369261
29		2	Washer with plastic house	9998895	9998895	9998895
30		2	Wheel assy.	9994922	9994922	9994922
31		2	Fixed washer	9998894	9998894	9998894
32		1	Hexagon screw	9900109	9900109	9900109
33		1	Joint eye on pipe	9999009	9999009	9999009
34		2	Countersunk screw	9907183	9907183	9907183
35		1	Stand base	369713	369713	369713
36		2	Washer	9920106	9920106	9920106
37		2	Hexagon nut M10	9910105	9910105	9910105
59		2	Hexagon nut M8	9910107	9910107	9910107
60		2	Hexagon screw M8x45	9900123	9900123	-
60		1	Hexagon screw M8x45	-	-	9900123
61		1	Hexagon screw M8x35	9907195	-	-
62		3	Hexagon screw M8x40	9907196	-	-
62		1	Hexagon screw M8x40	-	9907196	-
62		2	Hexagon screw M8x55	-	-	9900130
63		2	Handle with hand protection black	9998893	9998893	9998893

◆ = Wearing part

8.11 WALL LIFTING GEAR PNEUMATIC

Spare parts list Wall lifting gear pneumatic				WILDCAT PUMA LEOPARD	JAGUAR 500N	JAGUAR 700N
Item	K	Qty	Description	Part No.	Part No.	Part No.
1		1	Wall lifting gear pneumatic assy	367036	369036	369037
2		1	Cross head block	9999007	9999007	9999007
3		1	Wall lifting gear pneumatic welded	369241	369241	369241
4		3	Elbow hose connection	9999125	9999125	9999125
5		1	Joint thrust piece	9999008	9999008	9999008
6		1	Clamping lever	9998230	9998230	9998230
7	◆	14	Sliding plug	369706	369706	369706
8		1	Cross head block	9998232	9998232	9998232
9		4	Hexagon screw	9900107	9900107	9900107
10		8	Washer	9920106	9920106	9920106
11		1	Hexagon nut	9911016	9911016	9911016
12		1	Mounting-part	369732	369732	369732
13		1	Hose black 3.4 m; 11.15 ft	9982079	9982079	9982079
14	◆	1	Cylinder	9999388	9999388	9999388
15		1	Hexagon nut with clamp	9910208	9910208	9910208
16		8	Washer	9920102	9920102	9920102
17		1	Block	369702	369702	369702
18		1	Hexagon screw	9900125	9900125	9900125
19	◆	1	Gas pressure spring	9999010	9999010	9994288
20		1	Screwed elbow	9998250	9998250	9998250
22		2	Coding ring red	9998995	9998995	9998995
24		2	Coding ring green	9998994	9998994	9998994
25		2	Bolt	369724	369724	369724
26		1	Angle	369723	369723	369723
27		1	Screwed connecting piece, straight	9998255	9998255	9998255
28		1	Profile 1 Wall pneumatic assy.	369240	369240	369240
29		4	Hexagon nut	9910105	9910105	9910105
32		1	Hexagon screw	9900109	9900109	9900109
33		1	Joint eye on pipe	9999009	9999009	9999009
42		2	Screwed elbow L	9998110	9998110	9998110
43	◆	1	Way valve	9943120	9943120	9943120
44		3	Hexagon nut	9910108	9910108	9910108
45		3	Washer	9920104	9920104	9920104

◆ = Wearing part

**Mounting materials**

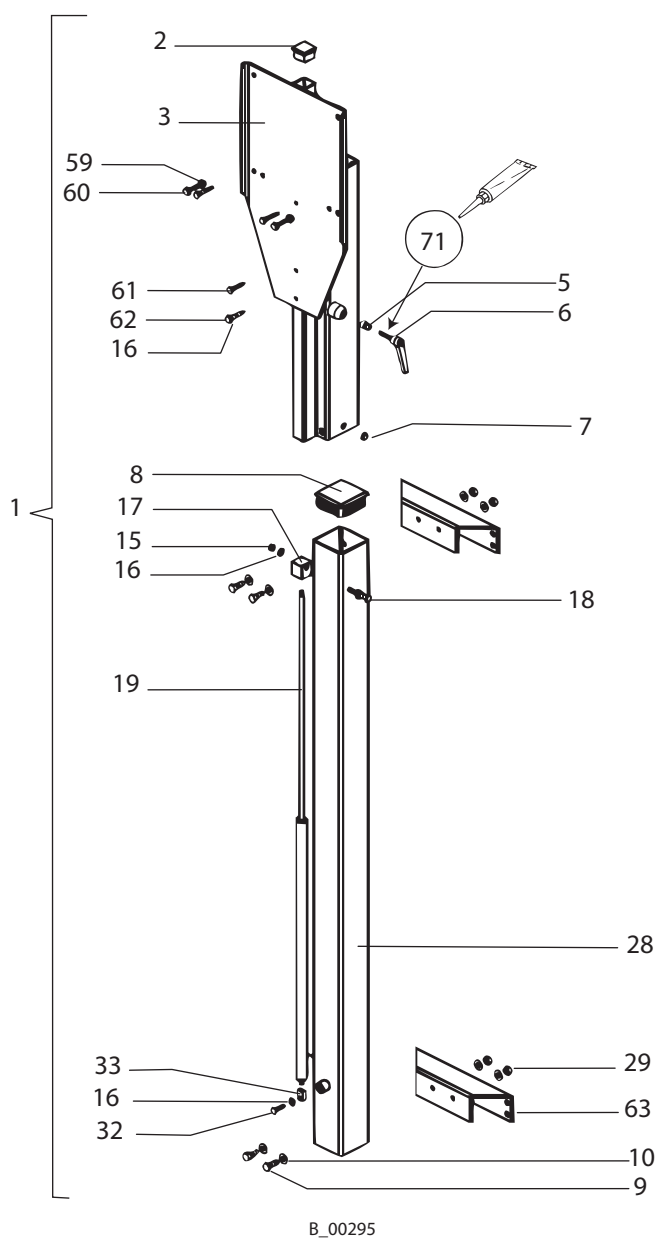
Item	Qty	Part No.	Description
71	1	9992528	Loctite 270
72	1	9992831	Loctite 542
73	2	9992610	Cable tie
74	3	9950615	Cable tie

**Spare parts list
Wall lifting gear pneumatic**

			WILDCAT PUMA LEOPARD	JAGUAR 500N	JAGUAR 700N
Item	K	Qty	Description	Part No.	Part No.
46		1	Screwed connecting piece, straight	9998090	9998090
47		1	Screwed elbow	9998250	9998250
49		2	Sound absorber	9991761	9991761
50		2	Cap head screw	9900334	9900334
51		1	Mounting sheet	369721	369721
52		3	Cap head screw	9900365	9900365
53	◆	1	Pressure regulator	9998676	9998676
54	◆	1	Pressure gauge	9998677	9998677
55		1	Double nipple	9985684	9999128
56		1	Connection	9999109	9999126
57		1	Reducing nipple	9985685	9985685
58		1	Double nipple	9985720	9985720
59		2	Hexagon nut	9910107	9910107
60		2	Hexagon screw M8x45	9900123	9900123
61		1	Hexagon screw M8x35	9907195	-
62		3	Hexagon screw	9907196	9900130
63		1	Reducing nipple	-	9999127
64		2	Mounting bracket	369712	369712

◆ = Wearing part

8.12 WALL LIFTING GEAR



Mounting materials

Item	Qty	Part No.	Description
71	1	9992528	Loctite 270

**Spare parts list
Wall lifting gear**

				WILDCAT PUMA LEOPARD 35-70 400N	LEOPARD 35-150 500N	JAGUAR 75-150 700N
Item	K	Qty	Description	Part No.	Part No.	Part No.
1		1	Wall lifting gear assy.	367035	368036	369035
2		1	Cross head block	9999007	9999007	9999007
3		1	Lifting gear welded	369265	369265	369265
5		1	Joint thrust piece	9999008	9999008	9999008
6		1	Clamping lever	9998230	9998230	9998230
7	◆	14	Sliding plug	369706	369706	369706
8		1	Cross head block	9998232	9998232	9998232
9		4	Hexagon screw M10x25	9900107	9900107	9900107
10		8	Washer A10.5	9920106	9920106	9920106
15		1	Hexagon nut with clamp	9910208	9910208	9910208
16		8	Washer	9920102	9920102	9920102
17		1	Block	369702	369702	369702
18		1	Hexagon screw	9900125	9900125	9900125
19	◆	1	Gas pressure spring	9994303	9999010	9994288
28		1	Profile 1 Wall assy.	369268	369268	369268
29		4	Hexagon nut M10	9910105	9910105	9910105
32		1	Hexagon screw M8x25	9900109	9900109	9900109
33		1	Joint eye on pipe	9999009	9999009	9999009
59		2	Hexagon nut M8	9910107	9910107	9910107
60		2	Hexagon screw M8x45	9900123	9900123	-
60		1	Hexagon screw M8x45	-	-	9900123
61		1	Hexagon screw M8x35	9907195	-	-
62		3	Hexagon screw M8x40	9907196	-	-
62		1	Hexagon screw M8x40	-	9907196	-
62		2	Hexagon screw M8x55	-	-	9900130
63		2	Mounting bracket	369712	369712	369712

◆ = Wearing part

OPERATING MANUAL

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